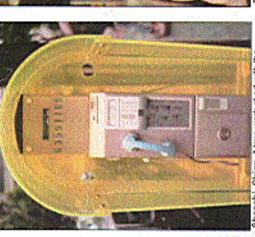
Asian Payinones



Bangkok, Thalland. This phone looks like 8's been through an avful lot.

Photo by MC Telecom



thanghi, China. A true work of art with the phone number proudly displayed. Photo by Julian



Tokya, Japan. Will ISDN psyphones ever be a common site in the States?

Photo by MC Telecom



Happy talephone workers. Beljing, China

Photo by Julian

Volume Seventeen, Number One! The Hacker Quarterly THE FOLLOWING MAGAZINE HAS BEEN SUED FOR BY THE MOTION PICTURE ASSOCIATION OF AMERICA \$5.00 US, \$7.15 CAN YOU MAY SOON FIND YOURSELF UNLESS YOU STAND UP TO THE MPAA AND DEFEND YOUR RIGHTS. Spring 2000 FREE SPEECH RESTRICTED 995A payphone photos that we've compiled! http://www.2600.com Come and visit our website and see our vast array of



Show your support for 2600 and the other defendants in the MPAA lawsuit by sporting our newly designed MPAA t-shirt. The front looks quite a bit like the cover of this issue of 2600 while the back has this scary caricature of MPAA chief Jack Valenti.

The shirts are \$25 each, which is more than they would be if we weren't being sued. But if we weren't being sued, we wouldn't have made the shirts! The extra money will go into our defense fund and hopefully prevent this kind of crap from happening again.

2600 PO Box 752 Middle Island, NY 11953 at www.2600.com or by writing to us at:

You can order these shirts (or anything else) through our online store

PLEASE SELECT THE ARTICLE YOU WISH TO SUE US OVER*

| MEETINGS | MARKETPLACE | HOW DO | BUILO, D | HOW TO | THE SPE | HOW TO | FUN AT | HOW PS | SHILLING | CELLUL | AT&T'S | TAKING | MAKE S | YOUR II | ALL ABOU | FINDING | W THIS | SEGURIA | MILITA | HOW T | A TASTE |
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"If we have to file a thousand lawsuits a day, we'll do it." - Jack Valenti, head of the MPAA, referring to the steps they will take to silence those spreading the DeCSS source code.

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The Next Chapter

It's over. And yet, it's just beginning.

We've always known that the Kevin Mitnick saga was about so much more than one man's fight against injustice or even the future of the backer world. With increasing intensity, events of the past five years have given us reflections of where our society is going and what we are losing along the way.

Five years is a very long time. Consider where you were and what you were doing on Rebruary 15, 1995, the day Mitnick's ordeal behind bers began. So much has changed, especially in the world of technology. But five years doesn't even begin to tell the story. You would have to go back to 1992 if you wanted to include the years Mitnick spent on the run trying to avoid capture and as far as 1985 to include the case which supposedly east him in such a fearful light as to warrant eight months of solitary confinement - obviously a motivating factor in later flexing the authorities even when the alleged violation was trivial. When you add up the confinement and the supervised release, Mitnick has not had a truly free day since 1988 and won't again until 2005. That's 15 years of a life, And all for someone who never stole, caused damage, or made a profit through his crimes.

What a tremendous waste of time this ordeal has been. And what a waste of talent when you consider what Mitnick could have contributed to our world over all these years. And still, there is a very definite case to be made for the significance of it all. Never before have we seen such awareness and education on the part of the hacker community. Word of Mitnick's case spread to schools all around the world, people protested outside federal buildings and embassies, and a major motion picture exploiting the Mitnick story was exposed and prevented from spreading most of its blatant lies. While this didn't alleviate the suffering and may not have shortened Mitnick's time behind bars, it at least focused attention on the unfairness rather than the tabloid headlines. And it made us all the more wary of what the authorities were planning for the future.

In our case, we didn't have to wait long.

In fact, it was with the precision of a soap opers that one crisis was immediately succeeded by the next. On the very day before Kevin Mitnick's release, we at 2600 became the latest targets of a world gone mad with hitgation and incarceration.

It was only days earlier that a massive lawsuit had been filed against us by the Motion Picture Association of America. That's right, those people who give ratings to movies. Apparently, that's not all they do. Representing some of the most powerful entities in the world (Columbia/Tristar, Universal City, Paramount, Disney, Twentieth Century Fox, MGM, and Time Warner), the MPAA targeted 2600 and a handful of others, claiming that we were somehow responsible for threatening the entire DVD industry and the future of motion pictures.

What were they smoking? Good question. We still don't know. But this is the truth of the matter: In November, some enterprising backers were able to figure out how to play the DVDs they had already purchased on their Linux machines. By doing this, they were able to bypass the access control that the DVD industry put on the technology, a draconian control which had never been implemented in other consumer devices like CD players. YCRs, or Walkmans. And it was this control which had made it impossible for computers not running an "approved" operating system (such as Windows or Mac OS) to play DVDs. By defeating this control, the backers got around this absurd restriction. To the industry however, they had created doubt as to who was in control and, as we saw with the Mitnick case and so many others, people with power who fear losing control of it behave irrationally and will space no effort or expense to neutralize the perceived threat.

When the DVD encryption was defeated, hackers, as is their instinct, told the world and made the source code available. This resulted in threats being made against them for daring to figure it out. As a show of support, we posted the source code on our web site, as did many others. We actually thought ceason would prevail - until one day in late De-

comber webataster@ 2600.com was served (via email) with legal papers from the DVD Copy Contoil Association. We thought it was pretty funny that a lawsuit could be emailed and even funnier still that they actually believed they could prevail in such a manner. We don't even have a working DVD player and here they were accusing us of piracy. Not to mention the fact that we weren't even involved in figuring it out in the first place.

They sent out legal threats against all kinds of people all around the world using whatever bizarre alias the web site might have been registered under. But there were also jots of people whose real names were used. We saw it as an incredible waste of money and effort on the part of the DVD CCA which nobody took very seriously. For one thing, the court they filed the lawsuit with had no jurisdiction outside of California.

But the humor was soon to wear off. On January 14, the MPAA stepped into the fray with gans blazing. Lawsuits were filed against four badividuals including the editor of 2600 and the owner of an Internet Service Provider who wasn't even aware of the existence of the existence of the exist which was on one of his customer's web pages. We saw this as a clear intrinidation tactic - after all, is Bill Gates summoned to court every time Microsoft is sued?

But intimidation was only the first part. We were about to learn a lesson about corporate manipulation of federal counts.

The first clumsy attempt to serve us with papers was made after 6 pm on a Friday aftermoon. (They never actually succeeded in serving the papers but apparently dropping them on the ground is good enough these days.) A second attempt was made to serve our post office box for reasons we'll never know. Perhaps they thought our offices were within the post office somewhere.

Despite this non-serving of legal documents and despite the fact that the following Monday was a holiday, all of the defendants were ordered to have the 7:00tire defense submitted to the court by 7:00tire defense submitted to the court by 7:00am Wednesday, leaving exactly one day to prepare. Even with the Electronic Frontier Foundation stepping in to help us, this was simply an impossible and extremely unreasonable feat for all of the defendants.

On the following Thursday, January 20,

a preliminary injunction was summarily granted against us which pretty much forced us to take the offending material off of our web site or face immediate imprisonment for "contempt of court." Hard as this was for us to accept, we complied, believing that we could light the battle a lot more effectively without being locked away. Since then many hundreds of sites have mirrored the offending material in a demonstration of electronic civil disobedience. We have in turn put links on our site to those other locations.

Methodically, the MPAA has threatened each and every one of the owners of these sites which has led to even more new sites going up. While the court order against us does not problibit our publishing links, we fear that, given the mood of the court, it will be expanded to include this in the fitter. If that happens, we will convert our links to a list. If that gets banned, we will mention the other sites in a paragraph of English text. In other words, we will stand against this kind of restriction until either they back down or we are stripped of our right to speak at all. That is how important this is.

your TV set. And if you rent a DVD from out a way to play a European DVD on DMCA, it is illegal to play your DVD on are not actually buying things like DVDs things apart and figure out how they work have been wanting to challenge since its could land you to court or even prison to bypass the commercials in the beginning your local video store, figuring out a way your computer if your computer isn't liyou are merely buying a license to use want you to. With today's technology, you gium Copyright Act and it basically makes scary piece of law that civil libertarians censed for it. It's illegal for you to figure them under their conditions. So, under the if the corporate entities involved don't This means you're not allowed to take it illegal to reverse engineer technology. inception. It's called the Digital Millen-The MPAA is coming at us using a very

It sounds absurd because it is absurd. And that is precisely why we're not going to back down on this and why others should take up the fight before things get any worse. The world the MPAA and the megacorpocations want us to live in is a living hell. They are motivated by one factor alone and that is greed. If they can

make you buy the same thing multiple times, they will. If they can control the bardware as well as the software, they will. If they can prevent equal ascess to technology by entities not under their umbrella, they will. And you can bet that if they have to lie, cheat, and deceive in order to accomplish this, they most definitely will.

all too familiar with thin things for everyone, they are deceivas evil villains out to rip off DVDs and understanding technology. By painting us who believe in spreading information and real threat in their eyes are people like us, the individuals who do actual damage. The to other people while not even prosecuting the technology works. Sound familiar? It's ing the public in a way that we've become imprison those hackers who *explain* things the same logic that the fets have used to houses in other parts of the world that do copy DVDs and there are massive warewith piracy. It has always been possible to of a threat as people understanding how just that. But that apparently isn't as much that this case has got nothing at all to do of them owned by the same companies that amount of research can quickly surmise But anyone who does even the smallest are suing us - dutifully reported just that was granted against us, they called it a vicbeen saying publicly. When the injunction The newspapers and media outlets - most tory for artists and a strike against piracy. Lot's take a look at what the MPAA has

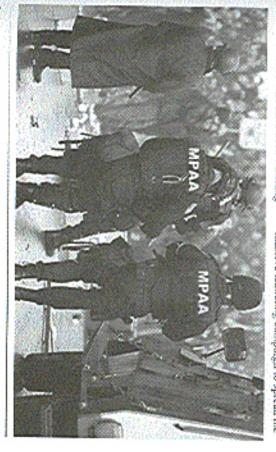
Those of us who have been watching

the ominous trends in this country night have been able to predict this battle. It was less than a year ago that *Satellite Watch News* was put out of business by General Motors' DirecTV because they didn't like the specific information they printed about the workings of satellite technology. We knew it was only a matter of time before one of these fantastically powerful corporations turned their eye on us. And now we have no less than eight of them lined up against us in a court where we are by dofault the had guys.

We've learned a lot over the last few years, much of it from the hacker cases we've been close to. From Phiber Optik to Bernie S, to Kevin Mitnick, we've seen how justice is manipulated and the heavy cost that is borne by individuals. And we've also learned how to respond to it.

The demonstration against Miramax helped stop a truly injust film from being made, at least in its original form. The Free Kevin movement focused attention on someone who might otherwise have been lost in the system. And we shudder to think what might have happened had people not rallied against the barbaric treatment of Bernie S. in the prison system. What we learned it that we do make a difference when we believe in our cause.

In more than 100 cities on February 4, people affiliated with the monthly 2660 meetings and people in countless other towns and cities worldwide took part in a massive leafleting campaign to spread the



word about the MPAA. Judging by the many accounts we received, it was extremely effective and successful. Once again we are in the position of getting the word out to the people who the mass media ignore.

That is where we have to focus our effects and not only because of the MPAA threat. Some of the things being planned are incredibly frightening and will have a profound impact on our community, not to mention what it will do to society. It would be a big mistake to assume that the battle has ended with Mitnick's release, Complecency will destroy us and freebickers everywhere.

the kind of sick society we're turning into with California's "Three Strikes" law and Only now age wen't matter. Combine this an adult if the prosecution decides to go Mitnick will be put away for life. That's nto prisons with dangerous offenders. ward to more cases of hackers being put that route. That means we can look forweb site would be tried and sentenced as extend well beyond that. A kid hacking a bypassed. While the measure was called which allows prosecutors to decide which whelmingly approved Proposition 21 I's entirely possible that the pext Kevin Prevention Act Initiative, its offects will in other words, judges will now be entirely he Gang Violence and Juvenile Crime youthful offenders are to be tried as adults. On March 7, voters in California over-

We see similar scenarios unfolding all over the country. In New York, Schator Charles Schunor has proposed a bill that would allow teenage hackers to be tried as adults and would eliminate the need to prove any damage was caused before the FBI steps in.

Much of this hysteria has been caused by the recent Denial of Service attacks against some major comporate web sites. While this kind of thing has existed on the net since Day One, when it started affecting the biggest moneymakers on the web it sudenly became a major crisis. And, not surprisingly, hackers were targeted as the cause even when it became quickly apparent that there was virtually no way to track down the culprits. It also was pretty clear that this kind of thing is relatively easy to do. But the media didn't focus on that nor on the obvious fact that if backers were so beat on destroying the net then this sort of

thing would constantly be happening on a massive scale. That simply wasn't the story they wanted to report. What was reported? Almost word for word: "This was a very easy thing to do. Anybody could have done it. We may never find out who was behind it. But hackers are responsi-

In a response that was suspiciously quick and well-prepared, the Clinton administration came up with all kinds of new legislation and budget requests to cruck down on backers. 2669 and others began getting hete mail from people incensed that we would do such a borrible thing to the Internet. Once again, backers had become the enemy without lifting a finger.

having any kind of contact with a comonly his imprisonment but the absurd evernothing to hide. It called into question not rather a warm and open individual with wasn't a dark and evil cyberterrorist but ellect, as the senators saw someone who cate the Senators. His subsequent visit to to take the high road and attempt to odulawmakers where they could go after the homble way he was treated, Mitnick chose whole matter of hackers by inviting him to away then sought out his advice on the bid him from lifting up a cellular phone or ditions of his supervised release which for Capitol Hill seemed to have a real positive emment that helped lock Kevin Mitnick sangging with the temptation to tell these testify before the Senate. While no doubt In a somewhat bizaire twist, the gov-

Maybe it had an effect on them and maybe it didn't. What's important is that Minick didn't give up hope that things could be changed for the better if communication was allowed. And if anyone has carned the right to give up on the system, he has.

We have what appears to be a long and difficult road ahead, Judging from the sheer size and determination of our adversaries combined with the indisputable significance of the upcoming trial, this may be the opportunity to put us out of corporate America's misery once and for all.

The Mitnick case may have taught us what we need to know to fight this battle. That knowledge, combined with the optimism that Mitnick himself personifies, is the best shot we have at getting through this.

by Kevin Mitnick

on others has been very stressful for all concerned. independent, and his sudden reliance ther's needs. He's fiercely My primary occupation since my release has been taking care of my tahospital stay. Although his surgery staph infection he suffered during his been my father's recent heart attack lection has proven extremely difficult was a success, fighting the staph inhis triple bypass surgery, and the mony in front of the U.S. Senate has Even more important than my test-Affairs Committee that described how government agencies, Wow, to increase information security within my written and verbal testimony to the United States Senate Governmental Last Thursday, March 2nd, I presented fional institution in Lompoc, California prisoner at the U.S. federal correcdressed in prison-issued khakis, a about seven weeks ago, I was What a difference 44 days make, Just

wanted to answer many of the letters, those letters were hateful, but I simply tremendously supportive. A handful of world, the vast majority of which were country and from countries around the ignored them. No matter how much I ceived letters from people in this to punish me even more severely. I rethe prosecutors, and used by the court said by me would be manipulated by didn't care about the letters, but quite the opposite was true. My defense me while I was in prison. Some of you team was concerned that anything may think because I didn't reply that Many thousands of you sent letters to pearances to do the same thing doing radio, television, and print appublicize the facts about my case, I'm used protests, fliers, and websites to tum you all established. Just as you and I'm trying to keep up the momengetting the word out about my case, credit. You have done a great job of different interviews, and that's where my supporters deserve so much father. I've been participating in many When I haven't been taking care of my



they find them in a letter sent to a federal inmate. them or return them to sender when as "contraband," and will either seize now that the prison staff treats stamps who sent stamps, I hope you realize other burden, and for those of you simply couldn't. The postage was an-

On The Inside

tending there were no cars outside my soon as I read them, I'd have to focus a welcome break to the routine, but as outside doesn't even exist. Letters are you're on the inside, you can't look out weather, and I rarely looked at the side I looked at the sky only to see the ing their lives. During my five years inwindow, that there were no people livand get back into my mythm of pre-Doing time is a strange thing. When cars or the people. you have to pretend as though the

were especially helpful in guiding my ergy, since I've never had any formal legal research, and to them I am parwho donated their time and expertse and I basically trained myself in law. the energy I used to spend on hacking neiping me with legal research. I took supporters and attorneys who were ing on my case, or corresponding with ucularly grateful. training in law. Many of the attorneys This took a great deal of time and enspent most of my waking hours work-

Conditional Freedom

in New York with a friend recently, I of the overly broad, unreasonable recomputer to purchase a Metrocard to supervised release. If I even used a iMac I would violate the terms of my the shop - technically, if I used that saw an iMac used to select gifts from While I was at the World Trade Center strictions imposed by Judge Pfaelzer. conditions of supervised release. would also violate the probationary me when I'm not caring for my father nde the New York subway system I iguring out how to earn a living in light spend much of the time available to

stay out of Jall. It's up to a government could be violative, as could a talk to a intent - it's completely arbitrary. official to decide whether or not I go car mechanic. The conditions are so related activity. My recent Senate talk anyone who is engaged in computerknow what I need to do or not do to vague and overly broad that I don't hibits me from acting as an advisor to Amendment rights to the extent it proback to jail, and it's not based on my Those conditions also restrict my First

The Senate

aback, as well as honored, by the sudspeak to the U.S. Senate, I was taken gesting I would make a very good to look at the big picture - especially in denness of their request and that they Several weeks ago I was invited to is often ignored: the weakest links in ing my views to the Senate. I felt that felt a sense of pride when Senator and I felt respected. This is a very diffelt good about educating bureaucrats would be interested in my opinion. I infosec are the people. made them think about something that they learned something and that it plimentl) I felt effective at communicat lawyer. (At least, I hope it was a comterent teeling when compared to jail. hearing seemed extremely successful nel without touching a computer. The how easy it is to compromise personlieberman complimented me by sug-

move 25 feet (to an MRI device on a quest to use the bathroom on the ing these visits, I had to time my reprison) just 48 hours before my retruck parked at the curb outside the scum of the earth while in federal Compare those feelings to the way half-hour, only to have my request reeach visit from friends and family. Durshocking. I was strip searched after of federal prison staff members is lease. The disrespect by the majority ime. I was bound and shackled to prison. Guards patted me down at any was treated like shit and like I was the

> a blue pinshipe suit in front of the U.S. murderer. And six weeks later I was in like a bank robber, drug dealer, or rused on a guard's whim. I was treated

New York

the day that 2600 meetings were held cally, their request brought me to New Crier. It's an interesting show and I've after my Senate testimony to request worldwide. enjoyed both my appearances. Ironion the Crier Today show, which is York City on the first Friday of March my appearance, for the second time hasted by former judge Catherine The television network CourtTV called

people and signing the things they the end of the meeting talking with others wanted autographs so I spent graph. Despite my surprise, several the first person asked me for my autoers in person, but I felt surprise when enjoyed meeting many of my supportsince I was released from Jail. I greatly ing, and it was the best time I've had time in New York, my first 2600 meetthe Citizorp building. It was my first seeing before we went to the lobby of filming, and we spent some time sight Emmanuel was at the Crier Today

young boy, perhaps 10 years old, with packed Ben's Famous Pizza down on New York, and I had a great time. It that there are people all around the phone systems began. What fun it and I was reminded of myself as a a Hams "butt end" clipped to his belt, ests." At the meeting, I noticed a an outsider with [ahem] "unusual inter was a bit overwhelming to sit in a world who share your passion. child, when my fascination with telederful, and in distinct contrast to how during and after the meeting was won the 2500 meeting was just the begin must be to be so young, and to know we felt most of my life, somewhat of ing of three days and two nights in The warm support and friendship I felt

everything seem just right. in prison, but their great Sicilian made

Spring Street after spending five years

definitely not least. Emmanuel hasn't in my fight against injustice. Last, and media treatment of my case, which of me - see the freekevin.com website gave me the energy to fight the appreciate the support of each person for more details about this, I greatly charges against me, which in turn inevery one of you positively influenced up differently. The support of each and all, my case would likely have ended Without the support of 2600 and you fluenced the government's treatment

I owe him - and all of you - a great misguided, egotistical prosecutors case for the self-interest of a pair of ago, and has used his radio show and ment's dramatic manipulation of my space in 2600 to publicize the governtook up my case more than five years positively as they have. Emmanuel t, things wouldn't have ended up as support has been crucial, and without oral government and the media - his dinary events to focus the spottight on given up - he has dedicated time and injustices in my case involving the fedresources and has organized extraor-

mends like deal. I am very, very lucky to nave had

HOW TO STAY A

by Shade

Self-taught or spoon fed knowledge at trade school, you've crossed the poetal and life has become real. You've finally gone legit and you're getting that hig farry paycheek. Movin our and up in the, you feel it in every hone, you've arrived. This is your destination. Yet, something seems amiss at work. You can headle the machines, but the job... she's not what you expected. People are upset, they're getting in the way. They don't understand what is going on. They're hesitant to take your word for anything. You're hesitant to take your word for anything. You're feeling boxed in... getting hard to became...

The pitfalls of technical games are not unique. If we seem the pathents repeated ower and ower, yet even the suthor has a hard time avoiding the same mistakes. We think alike, it's petting so bad it's showing up on SNL. Technies seem to be able to keep other technics up to date on the latest kernel level, version release, or service pack but never communicate about to more murdane aspects, like backs on keeping the ideal job. Gering bured for the job is beyond the scape of this article. This is about keeping it. Gather bound young and old, for I pull no panethes here.

a backer, but the boss can't help but be immore likely to discover a printer paper jam than coance to call you. pressed when you show up before they have a up software to monitor your devices. They're food you can plug all of them. Take time to set plug them. Imagine all the possible risks and be noid about opening their e-mail. Find the big seawaro where your vulnerabilities are. Don't protions. Notify management that you need time to occurate terms as possible - without exaggeracurity holes, state them in as simple and time" is just as bod as making everyone paraleft our accuracy. Cooking up highly unlikely security problems to justify talta "besearch nation is more important than knowledge" but f. Accurate Imaghiation, Einstein said, "Imagi-

2. Documentation, Harker's best friend. Find all the devices you are responsible for and get documentation for them. Chances are this late in the game you're going to be walking into someone else's mess and you have more talent than them. I don't care if they didn't use the drouments.

expect their daily/weekly dose, and allow you to to them in small practical bires. Soon they will zane). Act on your instincts first. Bring the Jeture business (and weeklot) be reading this mageyou do? Work! Lay out the plans for the dancing question. Call them. They're worth their weight carry on autonomously. before anyone else, or you are in the wrong You should know where technology is beaded research done before the CEO asks to put all of city of lights you have in your head. Have the users are happy, and database is stable, what do Finance's paper records into a digital data vault Don't'be a slag. If the phone is not (taging. in gold, and make you look even better. from someone who can ask a halfway decent to call for technical support. Chances are the recomical gurus just dying to get a phone call \$100k has a sweet support tine with high paid looming monster of a machine that cost own meeng! htm to see what I mean. Don't be afraid lib.boulder.ibm.cca/pabs/btml/as400/cnijoc/ho tech support lines soon enough. Remember, not not outdated excesshipped with the product. Re-IBM AS/400 documentation available at pubtion like wantel machines. Try looking at the all companies suffer from a lack of documentacritical components. You'll need to know their stanch who bought out what companies for your that you can find. Use the stuff bot off the web, CSU/DSUs, and any other odeball digital device 400 page .pdf manuals on the routers, firewalls. tion, you need it. Take the time to point those

This is as much alive socially as it is technically. the ability to assume the presence of someone S. Belong, One of the hacker's biggest skills is who belongs - and others will act accordingly and they will be, which brings us to number 5 they are. Act like everyone is your best friend everyeon, especially if you don't know who work cable than that million dollar consultant about the condition and locations of your actthe technoloabble in your sleep but just because you're itching to get tid of. In fact, say hello to does not mean you can't learn things from the you have a different bobby (read: obsession) ret of all. Don't delude yourself into thinking jazzitor. Say hi to the guy. He may know more you are smarter than anyone. You may know all Try harder. The most frequent and damaging er-4. Remember what it was like to know nothing?

Belouging is the way you carry yourself, the way you answer questions in a confident and nononscass manner. If we seen non-nechoical people hold down high paying reclusive jobs with a slew of consultants supporting every issue. Why did not supported allow this high private practice? They didn't know better. This person's poker face was so good, management believed every company out there would not relocatel Windows without earling a consultant - or two. You belong there. You're the best they've seen. You're the expert. Do not ask permission to do your job, act on your knowledge. Don't forget to let them know when you are done.

Number 5 is portages the higgest secret of all, but I feel most comfortable it will not fall into the wrong hards being printed to 2600. Most tashles work under people who are unfamiliar with the bowels of technology. These technology necessities are vertrains with management, which is good because you don't want that job anyway. Deliver every need to them accorditly and as simply as possible. Eliminate details. Felling a manager you're having a head time deciding between technical product A and

technical product B will usually result in your manager telling you to find a C which does not exist. If you are torn on a rechnical decision, flip a coin and guess before you ask them for help. However, do not besitate to ask for assistance for non-technical issues - make them feel

Sounds like spew? Take your our mechanic. He's trying to lik your brakes. He's rorn between organic and synthetic break shoes. Organic are more continuously and squeak less, and synthetic last longer... Do you want him to ask you what shoes you want on your car? Shir no. You don't care, and neither does your boss care if you use the 4*10-15 percent less stable widget that's faster than the more expensive widget. Quit splitting hairs, got off the fence, and pick a widget.

This may seem off the bearen path for 2600 but if you're a professional, just think how many notes you've seen Cose mistakes happen, and how easily it was for you to learn them.

Sure am glod I was born to like technology, not woodcarving. I will never forget bow amazing it is that we can get paid so well to do this.

3시키건지의일 건의사이스(자이얼 쇼파티시키키)

by Suicidad

to a squadron. So this basically means... unselearn how to use a mouse before being assigned run like shit. They go to a two week school and and play solitaire while the computer systems They besically sit in the sir conditioning all day computer systems are run and kept up by a shop mouse. Yeah... when the government finds in the squadron called Mairrenages Admin. something they like, they stick to it. All our graphics whatsoever and deesn't even support a by Microsoft back in the stone age. It has no Emgrant called NALCOMIS. It was also written Upkeep of lags and records for the jets, we use a WINNT. That speaks for itself. For the actual everything we do. Our desktop platform is aviation side of the services to log and record computers. We mainly use two programs on the States Marine Curps and United States Navy ured I'd better get the word out about the United liaters dealing with military computers. So I fig-In recent issues I have been seeing a lot of

cured system

squadron's NALCOMIS systems. then the "goese" could get into any of the LAN. But if a way is found onto the base LAN computers are talking to supply over the base calling that is done in NALCOMIS is when our word of, that's it, sysadmin. Also, most of the systemin headle in the system with the pass works in the squadron) have passwords like mornes who have accounts (everyone who grip as a goar shifter. They love to leave the could order a stick grip and throw that beby in pppgap0 or cooses4. The only off workstation your car and cruise in style with an F/A-18 stick estase it is above the restricted time. Or you jet would be downed (can't fly anymore) belogged from part social numbers to flight bours heve that a jet has nothing in it. Everything is from order a part to making the government be-Well, with NALCOMIS you can do everything You could change the flight hours and then the Now everyone is saying, who the fack cares

Securing Web Sites With A S P

by guinsu

uses SQL and supports session obthe wrong people. This primarily foects (more on that later) vant to any server environment that Script and SQL. However this is relehas been with MS IIS using ASP/VBrate locations. Most of my experience are popular at e-commerce or corpocuses on database driven sites that keep information from being seen by can help make sites more secure and lechniques I have used recently that scribe in this article are some tions at the code level. What I will deabout the security of those applicaprobably people like myself; web deweb applications and are concerned velopers and programmers who write Many readers of this magazine are

Make Sure Only Valid Users Can

dropping on the transfers in any way their site has SSL, they immediately all, of the dangers of someone eaves-SSL, you have eliminated most, if not cured directory and also make sure all one can get to - who cares - they can assume it is secure and everything is nformation transfers are secured by the default document in an SSL seever if you put a simple login form as still look at whatever they want. Howyou slap SSL down on a site that anygreat. Obviously SSL is not enough. If happy. When you tell someone that ours but keeping your boss/clients key item in not only making a site so 1) Use SSL. This is probably the

2) Use the session object to stop authentication information. The session object that exists in ASP. It is also used in other environments, such as Java Servlets/JSP and I'm sure PERL and PHP have an equivalent. The session is a global information object given to each user on the site. Every user of your site gets their own unique session object that stays with them for their entire visit to your site.

could potentially be lost if the router the session object. The information when the web server is stopped long length of time. It also goes away session will not be retained for any ally 20 minutes), so information in the the session will time out if the user is sends a user to another server. Also, cally switch users around amongst a high volume site that can dynamiacross server clusters. So if you have abled is that sessions are not shared problem besides cookies being disin the cookie to the browser. One sion stays on the server. It is not sent session data is done on the server. and the mapping of session IDs to the page to page - all session information sions are not passed around from abled, sessions will not work. Sesnects to your site, the server sends a cookies. When a user first conidle for a certain amount of time (usu-Any sensitive data you put in the sesthe user does not have cookies enunique for each user of your site. If that is supposedly guaranteed to be cookie with a long alphanumeric string

The way you put information in a session object is simple: Session("User_ID")= 12345

You can create items in the session on the fly without declaring them and pull them out just as easily:

Temp_str=Session("First_Name")

One thing I have seen mentioned often is not to overload the session object with too much information in ASP. Apparently this is very inefficient for the server and drags down performance. All documentation I have seen for Java Serviets, however, actively encourages the use of the session object. So this could just be an inefficiency of IIS.

Now that I have covered the groundwork of the session, here is how it can be put to use. A user submits a form on a login page with a user name and password. Then a verification page compares those val-

ues to the values stored in the database. If a user is determined to be a valid user we have a line like this:

Session("Authenticated")="TRUE Next we make an asp file called check_logged_in.asp (or something like that) with contents like this:
Sub check_logged_in()

Session("Authenticated")<>"TRUE"

Response.redirect("login.htm") End if

the VI code starts writing headers to blocks of code that VI puts in, specifithe browser and when you try to redicode. What happens otherwise is that cally the VI scripting object model rect, you'll get an error check_logged_in call comes before your performance. Also, if you use Vi-sual Interdey 6 with its Design Time Controls you must be careful that your will be dynamic. However if you are problem - nearly all of your content aced people to log in, this could hurt serving up mostly static pages but still database intensive site this is no this include the fact that every page to the login page. Some issues with see it. They will be bounced right out of a page inside your site, they cannot must now be an .asp page. For a way even if someone knows the URL headers, call check_logged_in. This page, before any other content or file="check_logged_in.asp""—>) on every page. Then at the top of the Include this file (with <!-- #include End sub

Making Sure Valid Users Can See Only Their Information

EFERER")

Once people are logged in, they are assumed to be safe and everything is OK, right? Well, abviously you didn't read the title of this section, so go back and do that now.

OK, now that we are all caught up... once people are in your site there is no reason to assume they will not poke around and try to get info anything they can. After all, you might run a site (such as Hotmail or similar) that anyone can sign up for; you really have no idea who is using your site.

Or corporate users might try to get into their competitors' data. There are a few things we can do to stop this:

trame like this: what if you need to actually load the sorts of expired page messages. Or a lot? They would get hassled by all using Javascript to set the href of that results of the form in another frame, could switch all of your forms to post, the form and just passing all the data in the URL (if it was a GET form). You But what if users use the back button a user from finding the URL of your which would defeat a lot of people. CGI or your ASP page that accepts cake to write. However, nothing stops and your error checking code was server. The user gets instant feedback sle than trying to deal with this on the date forms and is much less of a has-Now Javascript is a great way to vali-Validate all forms on the server.

parent.frame.otherwindow.location.href="view_data?id=5" (or similar, I can't remember the exact syntax)

So in the interests of making the site easy to use and flexible, you'll probably need to use GET sometimes. Plus someone could write their own software to send whatever they wanted through POST.

On the server you'll need a few checks to make sure everything is OK. Here are a few:

a) Check the referring page - if the information didn't come from the right page, reject it and give an error. In ASP the code to get the referrer is:

Request ServerVariables("HTTP_R

If someone is really determined, a program could easily fake this. However as far as I know, browsers never lie about referrers. This also will not work if your pages are linked by many other pages - the list of possible referrers to check could get out of hand.

b) Make sure every variable that you expect is there. If anything is missing it could be a problem, At the least it will probably cause an ASP error, which looks ugly. Look out for these and give your own error page when this happens.

user so they do not have to reload the don't rely on JavaScript. JavaScript is page and wait in order to find an error there more as a convenience to the all variables. Like I mentioned before, You still need to have a second check ust in case. c) Check the types and data in

web based mail site. Bob goes to view correct data. For instance, you run a in the last section. But it could be inters to a page that was the correct do is pass data through the parame-SQL to do this. One thing a user can 99 percent of the time you will use cure. If you are accessing a database his mail and goes to a page with this ype and hence would pass the tests Make your SQL statements se-

http://bogusmailserver.com/view_m

all?user_ld=647 bers in the URL and presto, he gets to So he decides to try other ID num-

int for each user, it would not hurt peruser_id might have been better stored parameter and grabbed all the mail cause the SQL statement just took the read someone else's mall. This is boclients and the URL looks like this: database of salesmen and their other example. Say you have a in the session, and since it is just one that JD number. In this case the formance that much. But here is anfrom the database that belonged to

a?sales_jd=123&cust_jd=4324 http://blah.com/view_customer_dat

data, like this: lookup that customer id and return the And say all your SQL did was

WHERE customer_id=@cust_id SELECT * FROM CUST_DATA

to correlate the salesman id and the id in the URL. A better way would be someone typing in any other customer Therefore you are vulnerable to

WHERE customer_id=@cust_id AND salesman_id = @sales_id SELECT : FROM CUST_DATA

table, then you should use a JOIN to salesmen to customers is in another then with their customers. This would up managers with their salesmen, and case you would need a way to match the salesman but as his manager, and salesman id's and customer id's until that a user could easily just play with combine the two. Now you may say joined with the other two items. to include the manager information then your SQL statement would need take the form of another table and Putting them all in the session is a big уоц've got 100 salesmon under you. Well, what if you aren't logged in as put the salesman id in the session? he found one that worked, so why not headache on many levels. In that If the information that related

open to people looking at others' data, whether it's e-mail, sales info, or your solely by GET and POST to do SQL private medical records. them with data held in the session obqueries, you should always correlate is don't rely on parameters passed ect. Otherwise you leave yourself The basic point of this explanation

quenes in parameters. Find the article being able to pass their own SQL there was an article in Phrack #54 able to this. and make sure your app is not vulnerissues with SQL server 6.5 and users that exposed some potentially serious One other note about SQL queries

programmers out there. I know I blew (or the 10,000 mirrors of it on the more information, check out this page too big or a topic to go into here. For over some of the SQL stuff, but it is informative and helpful article for the In closing I hope this has been an

do not take this as the end all and be all of securing sites in code. holes that I am just not aware of. So tm Atso, I am stare I missed a few http://w3.one.net/~jhoffman/sqltut.h

STILL MORE ON SIPRNET

by Phrostbyte

tury" or, put simply, IT21. IT21's primary work "Information Technology 21st Cen-21st century, so they dubbed this new net purpose is for relaying the network to bring the Navy into the of this network on NT 4.0 and HP Unix 10.20, and it was decided this would be new network for Signmet access on board ham Lincoln Battle Group deployed a ES Navy ships. The ALBG built the basis During the winter of 97/98, the Abra-

that be believed author stated Sipmot," the cont article enti reference a roto ship using Intermilitary tactical inled "More on net protocols, in formation from ship M

Contom Pro servers running NT 4.0. Be Switches, and Digital Equipment dual KG-84 crypto, IT21 is also built using sides the NT 4.0 network, IT21 ties into CISCO 4000 routers, XYLAN Onni length of the crypto. In addition to the depending on its use, determines the is a part of COMSEC (Communication used in the 60's and 70's. The crypto tape punch holes, similar to the punch cards KG-84 is loaded with a paper tape with munication systems other than Sipmet. Security) which is for other military com when he mentioned that he heard that the system being used onboard US Navy The tape is about half an inch wide and ships. In addition, the author was correct 84 crypto. I can verify this as the crypto Sipract was going through the KG-

> ceiving of military messages and of every US Navy, Marine, and other US hoard Navy vessels, Sipract is accessed communications over a data network. On MACS is used for the transmitting and reand allied forces in the world. NAVdisplay real time information and location (Naval Medular Automatic Communicavia EHF and SHF circuits. Under test Unix 10.20. The purpose of JMCIS is to tions System), both of which run off HP formation System) and NAVMACS

coin Battle Group deployruns, the larger class the Abrabam Linferencing, During ships with SHF and video conand POTS voice chat dishes are dn taado able to even

circuits faster than previously used netrelaying secret information over secured ment, IT21 proved beyond successful for

monitor all logins, ensuring that the all systems stay operational tain security on the Sipmet network, and on the west coast, and the third in Europe. Mountain along with three remote monitoring stations, one on the east coast, one installation and the bunkers at Shiyan ternate backup servers at the NORAD dition to the one in Maryland, there are alhouses the primary Sipract servers. In adence to the location of the bunker that The purpose of these stations is to main-Sipmer" article, the author makes refer-Also previously stated in the "More on

www.2600.con

Spring 1900

JMCIS (Joint Maritime Command In-

Finding and Exploiting Bugs

by southment

Eugs are an inherent part of any software sysfern, large or small. It is estimated that there are 10 bugs per 100 lines of code in larger systems, and while companies by their handest to decrease this proportion, it will never get to zero. In this entire I will try and make three major points, 1) that no matter what system one is working on, there are bugs in it, 2) how to include a systems, and 3) how to exploit those bugs.

locally impossible at is to minimize the affect of software/firmware is got to eliminate bugs - trust ers. This process goes on antitletter the pudget as many as they can they then hand it back to the up to militans of lines of gode out may be several testers, who test it and hand it pack to the develop fects found back to the develope's who by and for code, the batters text the eggle and report the car hundred thousand, retarged to as either softthose bugs on everyday use of the product rups out on the time constraints expire, of which immware) is basically this the developers write the this limean a large base of code that may con In the case. The point was developing are the product is released. Thepe will still be ougs The nature of developing a software system toy

Everyday use This is neitfal to breissue of inding bugs in earthware systems. Code parts that are nouthely laken are horized down to visit all perfection. But Development simply cannot focus as much attention on the rarely from code-parts and therefore there is some degree of volverability of those sections of code. When bying justified bigs in software systems, these are the areas to focus or These parts of code are where the bugs are.

How to Find Bugs

I will outline three general methods for finding bugs in software systems. The most obvious place to start booking for bugs are at maxima and minima points in the variables. This is formatly called Boundary Testing Extreme values for variables are always a problem for portware. If the variables are designed to manipulate small numbers, by over-

loading them or using very large values, and vice versalif the variables are designed to use large numbers. What happens when the elements in a probable rarray are maked out? What if they are all probables.

Wity are there bugs at maxima and minima points? variables are generally used to hold a particular range of values - they serve a very distinct purpose, and therefore are expected to handle very distinct vaces. That is their general use if you alter that or push the boundaries of those variables, you are pinterny, on the appet of the system that rangly gets exprised. When appet of the system is rangly used ongs stay holden, so this you run across than.

of code, the next local dig is the code-path. By tra have to find the conunction with every other command or function other way thom opinition to rare). If you stumble being developed. There are bugs in there, you just maily get used a do't get tested extensively while with commonly used sections, then try going the program that newly get used, and combine them are moving. But you need not think of it in name of be diffigure to understand where in the code your ones are you cannot access the code (bell), it can of the Pring you will be dedig black-box analysis traversing through source code. Use parts of the job can think of Remember, what doesn't nor-Acress a barbarya esting theoretisemole parts of code, you could Whereasyznianes prepart of the lowest level your price a bug. Because most if not all renomination mand use it in

herding points in a software system. After all, at something hos air software system. After all, at something has air sady gone wrong and new the system must recuperate from that error. This is not always a clean process. There are a number of things that could happen if the process falls, from looking the system to dropping you out of the program to the shell. Try generating errors, but from an ood perspective. Say a certain password program fires up when your computer is undisturbed for five minutes. That this little pro-

gram must look up your password makes it interesting enough, but what happens it some error should occur while it is doing so? Is this program, or part of a larger system, designed to handle all combination of characters given at? What about system (or reserved) character combinations? What about making out the arrays? It's worth a try

Finding bugs from scratch is a difficult task. What's bother is when you have bugs, fixed or not to work with.

Exploiting Bugs

Exploiting bugs is the process by which one uses an existing condition (that resembles a malfunction of the program in some wey) to cause a condition to occur that is beneficial to the user. For example, I was perusing the altracomputer security measgroup the other day, and found that someone had noticed that followooft had left a part open on one of their web servers. While the person describing this said he couldn't get

while logged on to the port, he was asking if there was shi some prospect of explaiting this "bug." He found a malfunction in the programming of Microsoffs web senor and.

anything to happen

based on that behavior, wanted to cause the server to function to his advantage. This is exploitation.

Of course, exploitation requires that a particular bug is known. Forfunately, known bugs are very easy to come by if you are working off an upgrade version of software (that is, anything bestdes ver 10), look at what features were upgraded. Each one of those dams were at one time a problem-spot in the software. Not only were there bugs in those sections of code, but there are probably bugs still those. This gives you a dear indication of which part of the software to "test."

Scan the computer security newsgroups - there are constantly reports of bugs and exploits explained in those posts. This can give you a direct larget to work on. Security web pages abound on the net - use them to your advantage, Learn as

much about the software you ere testing. Oftenbines if you know what is supposed to happen, you will notice when some anomaly takes place you might not have noticed it otherwise.

So you've found a bug that you want to larget and let's say it has already been fixed. So much for exploiting that particular bug, But it is character silk of software systems that bugs suppear in groups, in sections of code, not so much individually. Normally, with code that has been developed by numerous programmes working under all sonts of conditions, there will be pathtry sections of code that hold more bugs then others. So the particular bug you have found has been theel - more than filely there are other bugs hiding in surrounding code. How do you find out? Use the bug-tracking techniques outlined in the previous section of this article Just focus your attention on and around the bug shready known.

This method of software besting is often called "Exploratory Testing." It is often, intermally, relifered to as ad hoc testing. Exploratory besting is the process by which the bester will systematically move through various conditions in order to expose bugs in the area of an effectly existing bug intormally, this could be called "twosking" the program, a little bit at a time. Change things here and there, may this, do such and such acting the program, a little bit at a time. Change things here and there, my this, do such and such acting the program, a little bit at a time. Change things here and there, my this, do such and such acting the program and the such acting the program as a such acting the program and the such acting the such acti

Some Points to Keep in Mind

There are bugs in the software, you just have to find them.

Bugs typically show up in groups. Find one bug.

and there are probably others close by.

Use Boundary Testing to push variables to the limit.

Try exercising remote code paths.
Cause errors, but from odd angles Try and cause a messy error handling condition.

Use Exploratory Testing to find bugs in the area of aheady knowin bugs.

Practice the techniques outlined above, and pay close aftention to what happens to deuse software to maifunction. You will be finding bugs in no time Happy hunding!

ALL ABOUT SECURII

by magus

securid@terrorists.net

tual insocuracies. Feel free to point them this article from memory. It may contain tacout constructively. Thanks. Right off the bat, I'd like to note - I wrote

a time as any, I suppose... [/blatant geek spare hour or two on Greyhound is as good SecuriD's and such for a while, and this Woll, I've been wanting to write about

a massive hoax. curlD? Did you just make it up so you'd For those of you who are scratching your heads and wondering "WTF is a Sethe answer is yes! Ain't no such thing, its all have something to write an article about?"

of these is you, a mail met) When most only seven goeks worldwide will get. If one great conversation pieces even if you don't of. These tokens are little more than a blue namics account executive have ever heard their stockholders and their Security Dycountless corporations that nodocy but America Online (one could write an article and used by many corporations including mean the SecuriD tokens made by Security people speak of SecuriD's, they probably ments in this article. Most of them are jokes worry about seemingly nonsensical comhoax idea [grin]. (Along those lines, don't up to eight numbers, but I've only seen six use them for anything. The screen displays don't have one, obtain one. They make piece of plastic with an LCD screen and Canada (I think), several universities, and Don't they, Tatiana?), Pacific Bell, Dell they have a fairly oustom implementation. just about how AOL uses SeourID's, since Dynamics (www.securitydynamics.com) comer of the screen shows a series of bars on the token and the server. The left hand tate every 30, 45, or 60 seconds depending of those ever be used. Those numbers reis to authenticate yourself to someone's (number change). The purpose, of course, know how dose you are to the next rotation which disappear one by one to let you "Security" in impressive red letters. If you Heh, well no, they do exist, but I like the

> surning you're somewhere it's legal to point and ask for their PIN, and they're not the can increment your PIN by one, which is off, if someone has a gun to your head, you add all that much security, IMHO, since quire a PIN, some won't. It doesn't really and sometimes a PIN. Some setups will rethere's a grace period of a few seconds) guns at people and slep them around, of versely, if you ever point a gun at someone such in the security log. Weahoo. Conor Type 686: Gun Proximity Fault or some logged in. However, you'll generate an Encalled a "duress PIN" and you'll still bo has all those, you're already prefty badly SecuriD display (or the most recent one need to enter the current number on the ing a bad day) times and decrease their PIN by one. Aspresence of mind), stap them a couple instantly (i.e., they seem to have some silly secretary type who will faint dead away password, and SecuriD code - if someone you'ne aheady being challenged for a login course (i.e., you're a Reno PD officer hav-When you are challenged at login, you

for their next rotation - they can't legin camera to photograph a token reading 555655, 333333, etc... I stand ready with a pen, I have seen tokens roll over to erated twice in a row, which shouldn't hapagain using that same code unless it's gengets knocked off the system, they must warf If sameone enters a code and somehow

way they are supposed to. They are fairly static discharge - they count, but not in the work and obstinately displays "So Inc" on charge on this date - it merely chases to junkies, it will not detonate a small thermite the popular beliefs of Mission Impossible also has a setf-destruct date. Contrary to someone's account, etc., etc. Each token ics) server, enable/disable it, unbind it from ken in the ACE (Access Control Electronyadda yadda." This is used to track the tonumber stamped on the back, night next to start doing something with strong electroboth, Doard SecuriO's have been known to its display, or merely flashes a single dot, or Please return to Security Dynamics. Each token has an eight digit senai

> destruct if opened - I maintain it's just really ing one, I'd like to hear the results. Some newer key tobs. If anyone has tried HERF only tested on the older cards and the Then again, I've only tried this on older people have theorized that they also selfresistant to such discharge, although I've hard to open one without breaking it [grin]

not feed or tease Happy Funball it into the Cracks of Doorn to unmake it. Do SecurID administrator rather than dropping water. Please turn your SecurID in to your Do not band or immerse your SecuriD in factors. All are strong, rugged electronics this earlier. SecuriD's come in various form Speaking of which... I meant to cover

you try to convince them it's somehow their cracked or blackened. No matter how much namics won't replace them if the display is they will crack within a day. Security Dyvery tempting. Please don't. We guarantee admonitions. We know it's tempting. So ing to put in your back packet, against all two or three times as thick. They are tempt selves, but a stack of seven could sunder a metal, strong, heavy items (not by themgeek) about the size of a credit card and skull if wilelded by a strong and virtuous The cards are the classics... these are

than metal. chewed on by toddlers, and thrown in other Security. The case is plastic rather does basically the same thing as every anger. It's still a happy cute felle SecuriO. It tanks. Mine has been dropped, run over, key fob. I lave these. They're built like The next model is the funky squarish

haven't watched TV in years! l'd provide more modern references, but i Rogers, these should be in Star Trek TWG squarish one looks like it bolongs in Buck After this is the sleek sexy key fob. If the

the Buck Rogers SecuriD, just sexier. They can be run over by a light fiberglass imdropping cards out of sequentially higher mittedly unsciontific tests [grin] :::resumes breaky in general. Note that these are adported bimbo box, but seem to be more floors until forced to stop::: These are also plastic, and identical to

These are manufactured by Motorola and Security (Mind and Security) recty to ACE when this option is enabled. ACE must have a special module loaded to One of the more obscure SecurID's is

ble into a pile of gooky dust. generic communications gear. Unless you when everyone clsc at the gook most has be able to support these. These are fun run into someone with an STU-III phone. Then you're outmatched, and need to crum-

n'i able to find out anything either. Wee is smartcards and cards with keypads. I don't here by the time you read this article. I was own ether, alas, so if this sentence is still There are two other models I know of:

piece of code which generates codes, same There's also "SoftID," which is merely a

goes down? Do logins go unchallenged like you not care and just can't resist these sexy won't open its design for public review? Do rily device manufactured by a company that control? Do you like your geek? Does your such questions - who controls the access tation called for? Do you really trust a socu-AOL's original plans for SecuriD implemen-What happens if the machine running ACE course! Let me know if you find out how so geek like you? The latter matters more The abvious answer is the usual answer in Are SecuriD's somehow insecure? Of

somewhere for someone extremely quali-Ditto for the authentication tokens themand others. I have a copy lying around of operating systems, including NT, HPUX fied to pick apart if they'd like to contact me The ACE server itself runs on a variety

pieces of plastic?

wishes to bash me for a harebrained error something similarly specific, or merely ogy as generated by my memory, which is is merely an overview of SecurID technolfeel free to contact me. technical details on administering ACE or feine instead of glucose. If anyone wants being unable to adapt itself to run off cafadmittedly failing as a result of my fool brain This is by no means a complete work - it



server somewhere.



by xenox

Packrat regarding SecurIDs, Having had some secondhand experience with them, I decided to dig a little (5:1), I ran across a letter from Reading over an old 2600 issue xenox9@hushmail.com

sonal identification device, a token, which is used to help authenticate or lithium battery declared identity. The classic and most common SecurID token is a bit CPU, clock-chip, memory, and slim steel card. It contains an eightvalidate (to a computer) a person's A SecuriD is a two-factor per-

The surface of the card (ignoring for the time being other variations) boldy displays "SecurID" and has an eight digit LCD screen with a six segment LCD countdown bar.

On the back of the card is elched

to four years but has a preset self-destruct date. Also, the card has several sensors and will kill itself if it detects any sort of physical or electronic attack on a a serial number and an expiration date. The card can calculate for up

A large degree of its security is due to the active role it takes in the validation process. Every 30 or 60 seconds (the time interval is a buyer eight (another buyer option) charac-ter sequence is generated. The se-quence, chosen by the buyer can bar on its screen, a new four to option - most are 60 seconds), in accordance with the LCD countdown

either be a hex
(0.1,3.4.5,6.7.8.9.a, b.c.d.e,f) or a
digital (0.12.3.4.5,6.7.8.9) code.
Each SecurID code displayed by
the card is a pseudo-random number (PRN). That is to say, no one
can calculate guess, or otherwise
determine the next or future token used as input for the so-called "one-way function," the (SDTI-proprietary) codes from a record of past token codes from that SecurID. In mathe-matical terms, it is computationally doesn't know the numbers that were unpredictable by someone who hash algorithm that calculates the

token-code.

to the one way algorithm: Each code is based on two inputs

the card at 'birth - a secret seed programmed into the non-secret time

notation for Current Time (a variable, potentially known) are first concatenated or linked together in series, one after another. These two linked values - now a long binary number - are then fed into SDIT's proprietary cryptographic hash algorithm. This is an irreversible or "one-way" computational device which transforms the two binary numbers into a third value; the four to eight-digit SecurID token code. key (a constant binary value which doesn't change) and SDTI's binary Inside the SecurID, the secret

remote computer - host to an ACE server or another Access Control Module (ACM) capable of authenticating SecuriD tokens, instead of a card reader of any sort, the system uses an ingenious method of authentication.

sult (one period slow, correct timing and one period fast). If the CARD'S code is starting to "drift," the server name (or employee number, or whatever), his PIN and the reading on the SecurID card. The central still stay a varid and secure token. the card issued to this specific user and can look up the random seed. It then runs the SERVER time through the CARD'S random seed. To allow lows for an imprecise clock-chip to tion protocol takes place. This almind the next time the authenticaremembers this and keeps this in for drift, it accepts any value within three "windows" of the SERVER reserver knows the serial number of The user enters his or her user-

code) and an incorrect PIN the sys-PIN), After three tries (with any code entering attempts before the card is disabled (this is with a valid The system only allow for ten

tem temporarily blocks further at-

PIN's can be randomly generated by the server or can be assigned by an administrator, PIN's can be any eight characters long typographical) and must be four to typeable character (alpha, numeric,

cuit, etc.). If you force a user to cough up his PIN, it is very likely that he will give you his Duress PIN a PIN that appears to work correctly but Immediately notifies the administrators that there has been a breach bill in the drawer closes an alarm cirbeing robbed (i.e., removing the last all the tricks banks try and pull to be enabled with SecurID's are Duress PIN's. These are similar to silently alert police when they are A really sneaky feature that can

pad built into the card. Another, the cure also has a small numeric key-SecurID variations, the PinPad Setions of SecuriD cards. One of the There are several distinct varia-

> of the card used largely for internal seed). Yet another SecurID form is the SecurID Key Fob, semi-obviously a key chain version of a standard SecurID. There is also a PCMCIA nal processes (each process is based around a different random verification procedures. cure access, and a software version modem version used for remote seuser to switch between several inter-Multi-seed SecurID has a pressure sensitive button which allows the



Connection closed by foreign host. HERRRIN NOTICE ###### NOTICE ###### NOTICE ###### NOTICE ###### ####### SOITON H##### SOITON ###### SOITON ###### Mait for the code on your token to change, then log in with the new PIX Enter PASSCOOE: PASSCOOE Accepted Please re-enter new PIN: Last login: Enter PASScobe: Escape character is 'A)'. UNIX(r) System V Release 4.0 (assword: If you require assistance, please contact the Help Cesk at is a restricted machine on the System and is not for general use. It is to be used ONLY for setting/resetting SecurID PINs. <(trl d> to carcel the New PIN procedure: Enter your new PIN, containing 4 to 8 characters,

YOUR INTERNET BIRTHDAY

by The Cheshire Catalyst

When is your Internet birthday? Sure, you know what date you were born on In Bact, just about everyone knows. But should they? You might be John Smith (and lest among all the other John Smith's out there), but if you're the John Smith born in 1955 on May 23, then they pretty much know which one is you.

Have you been entering any of those
"Internet contests?" The ones that want
your life history? It's a good bet they want
to track you and what you purchase on the
web. They ask your date of birth (DOB)
for a couple of reasons. One of them is to
determine if you were born more than 18
or 21 years ago (and are therefore "legal"
to contract for goods and services over the
mode).

Have you considered coming up with an "filternet birthday" just to keep them on their toes? It's simple to do, First, look up your astrological sign, If you were born in May, you are either a "faurus (which comes in at the end of April), or a Gemini, which starts on the 21st of the menth and continues into June. Since our mythical Mr. Smith was born on the 23rd, he would be a Gemini. In order to stay a Gemini, be would claim that his birthday is the 31st the last day of the menth. If he were born before the 21st, he'd claim May 1 as his birthday. (You Pisces people in February should just claim February 28, and not play with leap years!)

The net is a pretty insecure medium, and three things can pretty much get you into all the trouble anyone wants to get you into all the trouble anyone wants to get you in. Your name, Social Security number, and date of birth. By using your Internet DOB, someone might have a harder time causing mischief with your identity if they can't find your real DOB. And if you find yourself in an Internet Rolay Chal norm with someone, you're not miscepresenting your astrological sign (some of these people take it really seriously and would be very upset if you were miscepresented.

when they told their astrologer about you.
But most people asking for your DOB these days have no real reason to have it. So there a no real reason to give it to them. Just let them know you're of legal ago, and let it go at that Unfortunately, it isn't that

easy, because some of the form suripts won't get past the CGI (Common Gateway Interface) program that's checking that all the blanks are filled in. You have to fill sweathing in, if only to get past the soft-

If your real buth date is actually the first or the last of the month, enough of us peor paranoids will be climbing on your bandwagen that they probably won't be sure it's really you by the time we're through. Offsetting your DOB by a day or two wouldn't hurt though, and you can just claim it's a typo. Sure, your real date of birth is on umpteen legal documents, and already in the hands of the majority of agencies, credit hureaus, driver's license offices, and what all, but that's no reason to make it easier for the phanta-comelately's that might be suffing the net just

If you're not entering data on a secure page (with the little locked lock showing around the edge of your browser some where), then you shouldn't be extering your real DOB. Parents should especially tell their kids about their Internet birthday, and that they should let you know whenever anyone has asked them for it. It might just be that Tony the Toger wants to send a birthday coupen for frosted Plakes, but it might be someone pasquerading as Tony with less than cood intertaces.

with loss than good interitions.

We old 60's hippies used to say, "Just because you ir paramold, doesn't mean they're not out to get you." You don't have to give them the arrounding they need to make you paramoid. Have fun on the net, and enjoy seeing who sends you birthday greetings on your "Internet birthday!"



Work for you

By Chatreaux

If you've been callne for a while, it's most likely that you've received spam. Usually, anvelicited emrits come from people (if they're to call themselves that) who think not only that they're smarter than the rest of as, but also assume that others when't but puny idiots.

To most physical confrontations, when someone pushes us, we naturally tend to push back, leaving the outcome of the fight in the heads of the strungest or heaviest contender. If instead of pashing, we pull, we end up taking advantage of hoth out own and our enemy's strengths. Guess who's in control now.

The same principle can be applied to spans if you respond to it by smalling flames and insults (or even a request to be removed from their mailing list), you're likely to get nowhere and no top of that confirm to the spanmer that your email address is indeed valid and active. Furthermore, if you go the violent route, you risk getting a let of feven more) abuse (no response, with absolutely nothing you can do about it.

Tracing the origin of the rogue email is also fatile at heat, as the majority of spanners ensure that their emails per security to their real per sound; the traced back to their real per sound; the majority of sound; the most cases, span comes from unsecured SMTP servers whose addresses l'me sure are provided by the authors of bulk email software themselves. This is worth exploring, but as I'm writing addresses, I won't be able to invest some actions cash into buying a hunch of these programs and establishing relationships with the "artists" behind them.

My approach to span is a bit simpler (technically speaking). I welcome all spans, and then, depending on the category it falls in, I get. Here's how it works:

Ontore you start up, get yourself a free email address (yahou, botmail, etc.).

Once you receive a spam, reply to it from this address. Use the subject line to ask for more information or to mention that you're very interested. You're probably thinking now that this will get you newhere as aine out of ten spams have begus setuen addresses. This is true, but if you give the spam a quick scan, you are likely to had a few other addresses; send it is to these as well.

In most cases you will receive a reply from a legitimate address within a few days (or hours, depending on the iding)



level of the spanmer). What you do with this email address is up to you - use your imagination! When I have time on my bands and am bured enough, I send a few short messages always asking for more information of directly quantitating thatir hollesty.

By the few enswers I've gotten to for. I'm fairly since I've made them waste a good half have of their "very valuable" time.

If instead of an entil address, the span has a toll free number, by all means call them and give them your zew entil address. As a touch of courtesy, you could still from a speakerphone and after you we left your message, simply entit up the steree and watch their scopely entit up the steree and watch their answering machine full up with music and their \$00 bill gain a few grams. One word of reution though: \$00 numbers are equipped with ANI (the grandfather of caller ID), so the person you're calling will have a log ance with your phone number. This means basically that regardless of how annoyed you are, you should always be courteous when leaving your message.

Other kinds of spams carry a URL to invite you to check a web site. These sites will always have forms for you to add your information. I suggest you fill them out and also look at the himl code of the page with the form, You are likely to find a legit consil address there.

Finally, some spaces will only give a coll phone number or a mailing address (pyramid schemes will only bear mailing addresses). In these cases, it's up to you re spend a dime on a quick call or 33 cents on a stump.

I don't think spam will ever stop, le could probably be earbed with the right kind and amount of government intervention, but this kind of 'help' is usually like bad chemotherapy... you end up having your hair, your strength, your immune system, and your appetite in the process. I udging by but happens when government trees to get involved in people's lives. I would advice against calling policial attention to an issue that could very well be handled by the community.

If enough people start responding to spam as described above, we will allowly but wordy est into spanners' (apparently) only resource; time. It would be like giving them the "Human Ping of Death."

laking Advantage of All Advantage.



by silicon kill

The times Whether is seen, the constraint of the chart, being "LED" that changes to green when you my actions on operates is that when you are surfage the act (either per ampying sever. and "thouse special of purple and Arm too pur month of the ogmand deak them You get puld a treatlest So an self and logs bow much time you spend. It then up other way it's basically fax. The view for hap's finds ords four states as the website, where you can through Interior Explanes or Naticape) if activates itgour tagebar in windows. Lot some reason, I don't other twist to it. Well, there is You have to put up with paid like the bracks, and there must have been some colaff filling cut a large stayey, and you would get right colors and becomes gains arranging. The way is The siles but flushes was easy and an amount fairly hink they will be educated but with a linear version. thew but (800 by 100) think) that sits right above thing that erossed my mind was that it was going to sure have. They pay you for surfing the net? The first The roles below changed in their slogur, and they am that pays you trisur! the not, or so they boast. tage (www.allachaptage.com). All Advancage is a 1995 the Jithernet, you are probably famebat with All Advan-If you are at all to time with any of the segme on

pouse, even though physically I wasn't. Maybe there Sewhort got we had not the linewast, but nothing ine. I triol values different anyword stying to keep the o your drowest and to give when your house of to no and typing in addresses.) The viewborness as a last h Audition are Catalonely strating the war (eliciting on limits minutes of inactivity. Activity is defined by AH &dseal with the use. The program times out after the by the acts, I gathe to the earth agon that there much orthy. Among all this: I was letting myself be formered Selfing pround in VB for a big I readined that it only I could will if it I was acquirulating time or not). After harded if the brower was active. That day I made & ad bat, and offences everything but the "LED" (so that ome better way to collect time white has having to away, but I worth a find one. I experimented with with to make my companer think I was clocking the erhood. I soluted a grant of about whether there was safe a quick Visail Basic program to sit on top of the The first thought that came light my wind was to

> my compared side used it would just gate there "surfing movement of clicking the grappes, and have the freeji odoga eriquia, kirgiyAllijAdiyantagi; lietaji payejteri to lifese. I ogdfd stack up to her Figure straight and oply do the web," agreeting to the All Advantage becautigner Transcription of the party of the second of would use the macro propriate to moded my migrae could be ghosed on easily and their link them. Then, I to the first give. I would make the large graphics that page that lingue to another web page, then linked back corded masses. Then it his ma. I could make a outhad a program of the computer that performed speceeach of my schengs in work; but alos, the giftight remy finger a woold wait a durating five minings for fised to suy active. After dispessing, I political that I some lego designs, to by to perform the act infraga-

the disease year diseased so gifs. There are 3 gaf files in the disease year diseased so gain all be edited on an their send-only property is serviced. You commod a much because the program set emailically downloads the modifical and some other administ. These we stop served in the cheeropy, has updated every five numbers of 25. The information about server including is should all files and like motion about server including is deared in different Did in the disease. One is called Plancia the file of the cheer the file of the cheer the same final interference of the motion of these distributions of the production of the motion of they paidly as for a that legislation of the motion of they paidly as for a that legislation of the motion of they paidly as for a that legislation of the motion of they paidly as for a that legislation of the acts that not if you for not wonching

I doe to see any real possession of fixing the macro program excitot for this system. There is not way to:

If Administry to a order their client's comparent for any to:

If Administry to a order their client's comparent for any time to be act as:

The major to be fact the macro confirmation was all a Dan Marks, while he is wire armsoft.com. I do not conduct their because of the day the transfer for the program of the act as a program of the strainty that the program is the second to the program of the strainty that the program is the program of the strainty in the program is the program of the strainty in the program of the strainty in the program of the strainty in the strainty in the strainty in the strainty of the strainty in the strainty in the strainty in the strainty of the strainty in the strainty of the strainty in the strainty of the strain

lladinantage ...com

AT&T's Gaping Hole

There is a clitch in ATAT Wireless Service that allows a user to receive press phone service. There are cell phone oustomers who have seen waking sulls area for months and may rever be assekt first let me tell you that I am marely exposing this altoward do not advocate taking advantage of H in any way. And although I will give you specific in a contract on how to see free service an activation for this service. I do not condon it

Stealing aircline is stealing, period Nou let me explain.
Prepaid activations require specific prepaid aumeers from a certain exchance and prefix. However, when you activate a prepaid phone with a fregular cell phone number, what specific as a receive as many calls as a many calls as a many calls as a many calls as a wants. For Pres You don't have to say a prepaid card ever four just activate prepaid service with a requiar style phone number four just activate propagate and activate proper service. With a requiar style phone service with a requiar style phone activate proper service. With a requiar style phone service with a requiar style phone service. With a requiar style phone service with a requiar style phone service with a requiar style phone service. The first service service with a require style phone service and CRIS to activate phones, and we all start all ATCT wireless centers nationally use that the common CHTA Client to access a main server somewhere a that the main server somewhere.

ATT slittle airco, is national that a first interest airco.

ATATS Tech Support Group has been aware got this problem for a lova time but has not should the ecological this a rang courrence and would cost be always dollars to six the alway this has a far according to the cathon there is the really coal thing about this had ATAT repaid service does not recaine you to sive your name and address. So there is no way they can trace it to you, and even if they were sale to catch you, it's not your fault you received thee service - it's ATAT's fault

Now you know how easy it is to set free service. But kere's the kard part: activating a prepaid account with a regular number. What to do, what to do? Usually

> to know where the fuck you're calling from though, so tell them the name of your store and store number (important). Say then you and have up Call Back two minutes later, ask to do a presald activation, and tell them. aske to all us to do activations. You'd have to know pin codes for their stone though How do you find this out? Shape listen in on a cell. A rep celling us will usually say, "Hi this is Mike from Circulated by Blah Blah, my pin code is CAYOCOO," Once you have the pin code, it's a piece of cake. Cay number that you just ear two minutes ago, the ESN, your pin code, etc. ATAT'S system will not cotto. The error and the any way the rep will catch it is it they have every phone prefix memorited, and they won't the reps usually can have a requier number for a certain area code. They will suk you what pool you need it transferred to. You don't need to you already have a number se-lected Give them the regular the reps have a list You do have Store :#6969 and your pin code is LAY whatever Ask tham if you some social engineering skills be-cause you have to protend you are a rell phone kales rep. Any place that walls ATA Trell phones is Probably the Best way You need evil person (not us) could be done intentionally if an this mix-up keppens, it is by pure thence, a mistake, a fluke. But it few ways to do it, but this is take advantage of it. There are a Warning to

don't even pay attention and just want to set you off the phone so they can answer the next call while in sure this error will be threat conserved that ATAT does not a make it a priority. Once the secret is out, there's bound do set to you all will put ATAT on their tippy toes. Have a nice day cell phreaks, and thank you for calling, ATAT.

JORKS DETAIL

by EchoMirage

works and the basic differences between each of the currently available cellular netonly the tip of the icoberg, as there are a lular phones communicate with. Digital is great divergence in the technology that celsic type of cellular network; the analog netthose digital spectrums. We will look at even more radio frequency bands within work. In the last few years there has been a randful of different digital technologies and Not so long ago there was only one bawebmaster@echomirage.com

The Phones

and completes the call. lar radio wave device. Il sends voice signais ent from a regular cordless phone or a simisystem. A cellular phone is not all that differwhich then cunnects into the POTS network out over the airwayes to a base station First, let's look at the small side of the

6 watts of power. usually output three walts of power. whereas a handheld cellular phone outputs "Mobile" phones, or car phones, and transportable" phones, or bag phones,

much more widely used. Analog networks ower 95 percent of the United States. Digi-lal networks cover only 65-70 percent. Now, let's took at the different types of herefore, much less segure than digital phones, but analog has the benefit of being sound waves of your voice into binary data that it can send digitally. Analog phones are, the airwayes. Digital phones use a device called a "vocoder" to compress the analog volce signal more or less directly out over Analog phones work by sending your

AMPS

tery life, because it is constantly "talking" on quendes are required to operate an AMPS Phone System", Basically, the AMPS net-work is the analog network. These phones operate in the 800 MHz band. Each phone network, and the phone has decreased but requires its own frequency to operate on, henceforth, a great deal of Individual fre-AMPS stands for "Advanced Mobile

formation. ESNs are usually eleven digres in being able to achieve up to 19.2 Kbps data transfer rates. AMPS phones use ESNs (Electronic Scrial Numbers) for tracking in-AMPS phones do have the benefit of

> portable phones). transmitter (as with mobile and transphone (as with handheld phones) or on the decimal form or eight digits in hexadecimal form, and are found on the back of the

cess". These phonos operate in either the 800 MHz ("digital") band or the 1900 MHz digital network in the United States, used by companies such as AT&T and Bell South (PCS") band. TDMA is the most ubiquitous TDMA stands for "Time Division Multiple Acvanced Mobile Phone System) notworks from here on out, are D-AMPS (Digital Ad-TDMA, and all the networks mentioned

digital phones "share" radio frequencies. TDMA works by assigning each phone a talk time on the frequency. Thus, a cetular this time is measured in nanoscoonds, it is phone will transmit on the frequency only when its assigned time frame cornes. Since binary information can be relayed faster frequently than analog phones because the Since digital phones transmit much less

the TDMA system. companies prefer to use their legacy analog sions are possible on straight TOMA net-works but are strangely rare. Many TDMA times the capacity of AMPS. Data transmissystems to perform data transmission than TOMA provides roughly three to four

TDMA phones use ESNs for tracking

PCS and Airlough notingy is used by companies such as Spring and pioneered by Qualcomm, COMA lechnology publicly available. CDMA techechnology, and is the most efficient cellular MHz ("digital") band or the 1900 MHz stands for "Code Division Multiple Access" PCS") band. CDMA is based on military hese phones operate in either the 800 CDMA is a digital technology designed

all kept separate because each binary offic phone, CDMA technology allows for mixed up. Atthough several cellular phones may be "talking" at the same time, they are packet has a unique tag on it, which ident-has it as coming from or belonging to a spe-Rather than assigning each phone a time to talk, CDMA basically allows an which they originated, so they are never are "lagged" to be unique to the phone from open-channel. CDMA binary transmissions

approximately ten times the capacity of AMPS and roughly three times the capacity

CDMA network and is less subject to infor-ference or noise than an AMPS network. phones, use ESN numbers for tracking pur-CDMA phones, like TDMA and AMPS data transmission is more fessible on a there are no "time slots" to worry about CDMA has additional benefits. Since

http://www.oricsson.com, respectively. network technology can be found on the Qualcomm and Enceson websites, at http://www.qualoomm.com and A great deal of information on CDMA

SS

communications". GSM technology is used by companies such as Omnipoint, Pacific Bell, and Western Wineless (i.e., Voices-GSM stands for "Global System for Mobile dard for digital cellular communications GSM is more or less the worldwide stan-

in the world). fechnology when they are used eisowhere operate in the 900 and 1600 MHz bands (the same is true for TDMA and CDMA bands, while in the rest of the world they phones operate in the 800 and 1900 MHz North America), In North America, GSM used technology everywhere else (except ropean standard, and is the most widely a derivative of TDMA technology, operating MHz ("digitel") bands or the 1800 or 1900 MHz ("PCS") bands. The frequency on TDMA. GSM technology is the declared Euon the same "time sharing" principle as where in the world it is being used. GSM is which the phone operates depends on hese phones operate in the 800 or 900

address book or phone directory, unique phones settings, etc. card usually also holds the contents of the tion on the account and the user, the SIM regular credit card-shaped card and smaller cards approximately the size of a third of a Sloko their functionality. SIMs come in two types: (Subscriber Identity Modules) as part of GSM phones use smart cards or SIMs gum. In addition to storing informs

encryption teannalogy, on the whole. times and has been shown to be a figiged cryption to encode the network battle. The tion, it has since been tracked several haled as a fall-safe method for communication in the SIM card. While this was originally algorithms and authentication keys are held Additionally, GSM phones use "A5" en-

used to transmit both data and voice sig-nals very rapidly. GSM phones use IME) (International Mobile Equipment Identity) GSM's strong point, however, is data transmission. GSM is ideally suited to be

> the SIM card number. tain other types of tracking are done using numbers for tracking the phone, though per-

page at http://www.gsm.org. tion on GSM technology and GSM providers worldwide can be found at the GSM Alliance home-An excellent source of informa-D M M

way radio-like transmissions into collular transmissions and twodesigned to accommodate both brainchild of Motorola and was one network, iDEN supposedly stands for "Integrated Digital Electronics Natwork*, iDEN is yet another implementation of but operates solely in the 800 Japan). In the United States, the only current IDEN provider is Nextel MHz band (Motorola is cur-The iDEN network is the rently designing a 1.5 GHz version of iDEN for use in DMA network technology

the range of most consumers. panies have prood the technology out of rightfully so, as Nextel and other iDEN comdeing marketed as a business solution, and are "tuned" to that channel. This is grimanly one or hundreds of other iDEN phones that two-way radio that can communicate with a traditional cellular call or using the "Direct work is that users have the option of placing Connect feature to turn the phone into a Communications The unique feature about the JDEN not-

phones use IMEI numbers for tracking purinto iDEN's second "killer app" just in case the "Direct Connect" lessure falls flat, IDEN D0868. that Motorola is attempting to develop this porting data transmissions, and it appears TDMA technology, are more capable of sup IDEN phones, though operating on

at http://www.motorpia.com/iden work can be found on the Motorala website Wore information about the iDEN net-

have no and of fun exploring the collular networks. What I have provided have is just an overview if you are origin introduced. anytime soon. Hackers and phreakers can look like the battle for standards will end chane technology. Go out and explore and end technical documentations on cellular mere are thousands of eyeb pages. changed and transformed, and it doesn't The cellular world is constantly being books

Ritishin, Voyager, and TNo. Shouts out to Nightbanshee, Zomble,

Spring Two Thousand

WE'RE LISTENING

Alien Intelligence

I work for a marketing resemb company. What we do so call you at work and solven to do surveys. We across to the list. The lists are usually obtained from the track 'RF' and continue calling other people. The Perabout this is that we can't really take you off the list. We make the off your list" and hang up. The furny thing nate when that happens if get people who say "please will have a home murther fisted. I apologize and termidon't call people at home on purpose. Occasionally we company that is basing us do the survey. My point is if son we don't take you off the list is, well, we don't have times we can't reveal that information. But if you take you can ask what company the survey is for, but someyou want your name per statemently taken off the "fast" you company policy not to give that cut. There is always give it. The only thing that we would have a hard time pany reme you can cell them and yell at them and bove good-bye" and hong up. Or you can continue to series one vital piece of information, then just say "thank you. ways. You can give helishit are wars until you get that ways at least one question that reveals the company, alabout there minutes you can easily find out. There is alhave to find out what company the survey is for. Usually information that was refused if it is noticed to be able to dress is pointless. I have fun getting those and all other getting is employed number and total revenues if it is we can always get what we need so you might as well your same taken off. It you refuse to give information with the person giving the survey. After you get the comhill out. The's just asking to be called. One other thing; those stupid registration forms people turn the survey in. And remember to be mor. We know someone who will dip. And not giving your business adyour pane and address, you don't know who we are.

our for of these survey companies. More year your and not be gled you nook the time to write with this tofo Postagos some of our maders can help us compile our phone has a ringer of it. We track you recall be that you've the scars of the earth

Bookstores

Open Source movement. Nothing about the "backer" the causing anarchy and chaos with his computer. I may be a media promoke, you know, punk teerage hell bett on Holiday." In it was a guide to programming Red Hor Noble and I saw a display of basis that said "Hacker's axes this mean that other businesses and the modific are Since Barnes and Noble have really thought about it. punk seemagns, but I live so only learn and not destroy. limit and a bunch of books on how Linux surted the I was hanging around our good people at Barnes and

as a source of Sear and Sound?

Downsouth

He can only loose It's very helpful when we audion

the good or well as the bad

to state my opition on what some readers are saying book that you want. But we do apply the age regulation about Barnes and Noble being against free information meant that if decreal happengriate, it could be put befor all. That is a fallacy. Burnes and Noble will order any Robert Mappineticape and Sally Mann, not 2000? house, and contraversial books such as the work of hind the country. Iom Tolwarthy meant Physics, Fore-B&N employee staring that the memo of Turn Tobworthy derage states. There was a letter in 1604 from a forester publication and therefore can be sold to a person of irelaws for setting pemagraphy. 2600 is not a persographic Lum a Barnes and Noble employee and I would like

them it could be a comic book. The fact is that my basses do not know what 2000 is. To section on the second shelf in full view. There has never been any debate of 2600 being put behind the country. In the B&N [work at, 2000 is right in the computer

track on the music section listening stations! This is a and there were cognine references in one of the simps! exempany that sent the store a CD for an in-store play. Give the company a break! They pay my fells and give ne natical insurance! This is a company that put the Scott Park sound

Amonymous Barnes and Noble Music Seller

as four that training managers, or men clerks much solves didn't approve? Our madies, of the moons that o what we were about? What would happen if they then gore or whale and, in the most case executed, of head chain. This will allow as to pursue the easter with the abused. We've grown letters about this sort of thing to symphic. This kind of power is too early overview and relegate of an behind the counter of they felt we were onreaction of their encounter this at any store from any the past and wold appropriate specific details from our browned to send any more issues there. But what would happen it your houses did have

read during burch. I'm a traffic ticket lawyer who was Baker on the local PRS station's Talk of the Matter board. After banch I got in the cut and heard Stewart ing like a potentizing breyet. Doesn't take too long for Baker to piss me off by soonwhere the subject was backers. What a coincidence Today, scally on a whim, I bought a copy of 2606 to

bee a book listed on Amazon. You can read "bis" com-Amazon and submit "hathor" reviews. Sewart Baker ments in 5-7 days. What a opinicidence! In your magnetic was a latter detailing how to go to

Adventures in School

beking web sites and just recently backed the computer System of my place of employment. About a half a year guiff. This time I decided to be a brile creative with the what we can back and we always make backups of the My friend and I have been competing with each other on hes on a CD which I hid so very carriously in my went. ign. I hocked our school web site and backed up all the sayer once I heard the announcement. They just simply quest really, and then I would return their files to the the morning school announcements, just a simple to asked them to put my handle and what had happened in hars. I recurred all of the files from their fip server and salact was site six months ago. He was suspended for trying to make a fair back but the school saw it a differ-CD that he was distributing to the newbook He was just friend our cought with some Novell hacking files on a a web site, but a sarious amount of each reneable kee. My giben it. This seems like an awaitly high price to replace web site because of the SIAUXXX it was the state to the shambles that recently, the topic came up of the backed files hock and their way complex web six is now a would not got in to this request. So they never got their to. They pooled someone to put the blame on, and be enipti was. This just shows what the system is certiful For being a good little hacker, he didn't will who the real do you think will accept him? He knows that it was me. and hocking moes while everyone goes to school, but get thos! Not that he minch being have and sleeping cat way and charged him with the trime of backing the this is going to be on his pround. How many universities mity to finally speak out about what has happened ease and the undair happenings. Thanks for the opportuknowledge. This feels very closely related to the Mitalick and the only one (so they thought) with computer I am as wid reader of your way, and I have been

there. What you did suppod over a line that won raise for the many themsends of ten-malicious hackers out monetal behavior of yours is either makes theres difficult enged their files and held them for remove, you however more likely you simply ran a norigit but or mon as you machin addition in get into their site tutthough it's for school's site and resorted to extention. Maybe you send bal people have no difficulty seeing. You desirated your for something to dish 2 do, you love the right to be indig a criminal. While is now mong to append your friend genera a pageon in illustrating to environ what the that so many schools are here. We only have jour letter man where you in to jester the equinoment of punchase backer world is NUT obout. You won't won't at phone so after reading this. This XXXIIDUR

with my full name and a color band which demonstrates times. This could features my picture on the finite always informed that I was now inquired to water this sag at all mont, I was handed a small card attached to a cord and alma water. Trings seemed normal until I got to home-Testry I walked and the halfways of my hellowed

magnetic stripe (we can swipe it like an ATM and have 22ck my every movement through the school? Absimal data. PLN numbers, etc. Could this dard be used to know, smar, cerds can be read to store information, perthe send! "Smart card" chip on the back. As you well pose I have yet to decipher. Most interesting though in our lands fees fell of ter us), and a bar code whose pura vocational student. On the back is my picture again, a anely until I bowed down to their ways. Since I aim in office and informed that I would be suspended indefion the fact that I did not agree with the pranciples to ing is to any personnel who requested the information ing this each namely working it it all times and presentto sign a waiver staring that I agreed to all rules concernms as P2129. Purhermore, I was told that I was required have been given a secial number. My friends now know missing this much time would be bad. So I gradelingly volved in AP classes, as well as electronics engineering. which it applied I was sent to the assistant principal's Fack it, I thought, and refused to sign the weeker based solutely. And just to give it a samer of Big Bnotherism, I most wear it, ideally around my neck. However, since no signed it. Lines, I walked that the form stated only that I waves, I was notice again sent to the office and given dewould be stage to the it around my which. Whose wrong mention was made to where it had to be ween. I felt is

mony during the Third Reich or South Africa during torce (a. to bear identification similar to that used in Gen ever, Public schools that use government funding new writing, and 'ordensis... lods are now being targle opwas spect on this Orwellian system. Forgot moding, apartheid. Our sebook is falling apart and over \$2,5000 tendon for insubordination. The moral of the story? We have no rights whater

pression, conformity, and solucission. §2129, the student formerly known as Kevin

can will spread destreases by rearring as many people of the authorities well more than you already have, you early days. While you shouldn't risk becaming the wrate Like any world, the best time to year it down is in the aryour disposal. As for the rest of an, we need to share ar you can through batters, plying, and any other review purpose. Then of course we'll have to warry about the these things unterly asciess, they will no longer serve a all give the world brow the scienced up things going on àgio en pur à voitente anal per the word out en that prophe ionide our whoels. If we can figure out how to make implication. This is a trend not be freezed about at other schools.

Dear 260%

in the Winter 2600 and also the ones in the part few issugs. Ed like to say that maybe some schools aren't so I was reading with interest the latters about whools

the computer teacher sometimes gives me dirty looks at schools. me, but it's granted that there are always a few inept high ally), overall it's pretty cash. A few kids are seriod of when I talk about strending IREC (which I may do, actu-My carried school is actually pretty cool. Although

Of course, next year I have so would schools, so

reaghe that one will be worse. For tops I not will write an article or letter comploiting about my "guilt by secucio-feet." Hope not.

8

Dear 260

watching you." At which point I started having nightthey removed his account and gave him Salurday school trying to post the Fax: Kevin site on some computers and today's schools. One other thing: one of my friends was some form of legal maximum. That's what's happening in and I'm assuming it's because then I would have had never received anything in writing (which is endomory). still forced me to do two hours of community service. I from their current positions at my section. Anyway, they engify pection to the school board to remove them they might well be facing several lawsuits and a rather for something they didn't even have a rule against or that, he persuided them that they couldn't suspend me should I put this - interesting conventation with my fato gave me two days of suspension, but after a stary - how neers of Orwellian conspiracies. They were going to my know who you are and who your friends see and we're been there. Now here's the real efincher (and I quote that I had been into the registry and I shouldn't have have messed up on as ownO." The supportant fact was the pomputer because they said, and I quote: "It could said that it wasn't important if I had actually messed up that after they reboared it was fine.) The librarian than changes are immediate and permanent. (They also said person logged on. I pointed out that Windows registry not working and that the sarcar had fewer after the good iguin): "You know enough to be dangerous to us. We She (the librarian) said that the Windows desictop was to the office and the Ebrarian soil that I had bettered I had not damaged any computer. She called the librarian put it on there and I odd her I saw it in the registry. The about it, and the isked me how I know that someone had that our literation (we're too choop to get real tech peothing I know that I'm not a genius, but I do know earl with the registry. I asked her what they saw and when sequed me of trying to destroy the computer. I will that with the vice principal. I got down to the office and she out of the middle of my 7th period class to have a talk bell rang and I want to class. The next day, I was pulled something. I did the right thing and tuld the librarion had put it on there to get remote access from home or ple) was not that isformed, so I assumed that some kild dows registry one day and I found Neebus. Now I knew But that's besides the point, I was looking at the Winnot seen the light of Unix yet and I have to live with it about computers, not just Window, but our school has claim to be the all-powerful god of computers or any tence I had that got me really steamed. Now I don't His guys. I just wanted to let you in on a little cope.

gopher the contradictory

Diour 2600:

I have been a fail of your magazine for some time new and an happy to say that Kevin's thatly getting out of the slowment Angway the reason I'm writing to you is because of problems I've been getting from my subted about your magazine. I have it to school with me to have

scheding to read when I wasn't busy. Appearity my tracher saw me reading during a break. Side configurate the magazine and dragged me into the principal soften rating and raving about gening me isolated out for realing a simple magazine. It somes the principal stated all of their views on the Interior, so I was suspended from school for two weeks. Now this drapheared me greatly. I wanted to do some damage to the school or tometting to average 2605 but I don't have the statestary measurem in perform adequate verageance. So would you do me the favor of putting my schools web page on the backed back. Maybe then justice will greaved.

Microkiller

Our faith in such course is less when people express the decision to be mailteined. All you do in windows the architect of the people who work against you, for those who choose and to go that make, you as much decommendation as possible and gother enricement that was are bring disciplined screenly for reaching a magazine. That had of thing in the and screenly in when the towns one mailtied, it has course in possible to prove that this in what the person is being disciplined for in the first place.

Discoveries

Dear 2600:

I was beed one day and decided in probe around my old employer's network and see what kinds or changes to the network environment were made stage and departure. An amount can on their some rewealed the following gern liferning on a pert of a certain book following gern liferning on a pert of a certain book.

256 open top http-mynd

Lined up my web sever and connected to it. After a guise, I rould see that I feel humdhed a nemedy web management controls running out of a Hawlett-Puckard printer. Deking amound, I resilized there was an option for setting administrative pusworal foor set by defaulty through which I could most with princ jobs, clear the quate, etc. Craising over to wow by som. I did a little research and discovered that HP bearss or inventing the smallest firmwest with servers in the world (though this may no longer be the case). There's a good chance that the rew Lacept printer or AdvanceStack table coming that new Lacept printer or AdvanceStack table coming that they work we have one of these in it. This may be feld has, but if you've got HP machines on a TCHPP network in your way, you may want to must produce more against them and set passwords before the casticle world can.

darky0da

Dear 2600;

I do set know if this bolds true in all areas, but in Toteds. Once if you have Ameritech service you can guidi 958 on the telephone and it will rell you what number you are calling from.

958 has been the standard number for this to aver area for agos. It seems to have spread to other parts of the country as well. Intellemently, some local traitetes area require you to died 9580 to get your number read book. Diality 9581 will are your connection for a couple of minutes for regimg.

Dear 2600.

will be worth the trouble. You can find a location guide goes "Under Macatenance" the Mac menu appears at the Mod menu available for a hashing adventure. I'm sure it by a Petro and try to find one that is down and has the around is not very useful. I hope some of you will stop ingow anything about the Mac OS so my functing information about the track driver's account 1 don't ing it for the disk-up connection that sends and receives friend a propriet collect "Timbulto." I think they are us played around for a few minutes while it was down and top of the screen and goes you access to everything. I goods soreon for input. The next thing is when the system for merchandise. The shock is using a Mac OS and a Red by track drivers to realize showers and coupons Ris the Ferro Passport Redemption Center Rock and is god) usually near the restaurant is an interesting device. Remot track stops in the main building (not the fuel isperson as I am nor a blue backer. Located at all Petro and generation. I have this emosage finds its way to the right Tam an over the road track driver and part time pro-

I don't have a handle so it you decide to edit and poblish this little kike places make one up for me.

THE SECTION OF THE PARTY OF THE

Handle8015

Dear 200

Just a heads up on Cathevision - the NY, CL MA, and other states phone systems are new on ASFECT

Mongo

Dear 26/0:

Hey, just reading one of your issues, when I figured I may as well call at 800 matter and see if I could order something or humas the other party. So I diable I -800-555-2600, and what is if I'A portaine. Us to, Well, that's not cally favoy. Eh.

ă.

2600.

After seeing the lower from Shown about his FCS 2700 Qualconan pione, I rai to get man and try it out. The other jace the drip stream was right HIHI them as beet. But his password don't work for hield Debrg, I was on the planes with my ment who suggested I vy all US. Some I rain. I played with that a while send then med the proparating mode. I was trying so thatk of simple combes for a password what I was 15WEST printed on the from of the poone saring the down. So I triad it., 870578 and it work-all I had all links of things to play with... I changed the name USWEST to my screen name (emopole so when the phone turns on, it says ENTERING charges SFEWICE ASEA, But now I can't get back in. The pass isn't USWEST anymore, so how many six digit possibilities with you keys are there again."

robert

Maybe ITT thee to get your main again. The Tabash our sources.

Diar 2600:

Windows 2000 Sucks, Jun thought you might want to know.

And with a capital "I" wo

2600 Magazine

Spring 0

Dr. K

Dear 20

Check out the March 5th, 2000 issue of Foriew on page 59. They have a picture of people coming up at exclusion and above the people's books are two displays one ways. "The Hasker Quarterly" and the other asys. "Manner 14, Number 2". Now what excellent magazine used that on their cover before?!!"

cark

That phase which has used an our Anneau 1997 is the happens to have also been advanced to a new agreety's undates. Agrammily Forther was hooking for a picture of a crowd of people and didn't realize that there picture to a crowd of people and didn't realize that there were two broked right right behind them. Which it will be made had have been for the picture should have been behind at the new agreety, At least now people will supplied at the new agreety, At least now people will supplied into we dischard the photon.

Kevin Free

Dear 2600:

I recardly wrote a term paper for my political screence intro class on the freedom of information in America (or the Jack hones). The court cost United States is. Kerim Mitalish was arost useful in proving my these that the government withholds information from the publish to save bear. Thank you for patting as many court pagest as possible regetter and providing an untained location of thick on this court case.

Kolehi

Dear 2600/

Don't you guys fink that the Kevin Minick draft test been Nown a little bit out of wack! There are so many other backers doing just as big soulf and not getting any enable whatsaware wheness Kevid Minick is the years up and still famous! What about 29/don from get! (Global Hell) or Chuzand from LoC (Legends of Chuzan).

KeNg

You retice the grains, It's next advant getting creatile, it's about recogniting injustice. No case that we show of come close to this in the backer world. The will continue to report on any nimitar court of the feat of them. In fact, we reported on the Zidden story in our leaf tiese.

Dear 2606:

Letterman top tea list of things to do with Free Revin that he needs cash for when he gets out. I shall donote parents given it ness it are on a school night. I also sow on Kevin every week, and that's when I realized I actu soon, we all should. When I read the "backed" David and extracting all ever the house. This pissed off my being released I was overcome with Joy. I was jumping ally got the word out. When I found out that Kirvin was him. Eyematly my chas just expected my article to be ber and October, I have also written one or two essays on all that really important staff was happening in Septemmy Social Studies class and I did a let on Mitrick while uztion. We have to do a weekly news topic summary in Three done fround we assignments on Keyin and his sitstarted getting into it until this summer. This school year I sew "Free Kevis" all around, but I never really

episode. When does it ser? funity matter. But either way, I'll be sure to watch that ing that the message is getting out and being shown in a was making fun of the subject, or laughter for it's showstickers. I didn't know how to feel - pissed because he

Chris from Christopsin

actions - they maily and help get the word our at a time entire top wa on Free Keren wishers. We appreciate your juste of sensething or we doubt Letterman would do an when that was most critical We execute you may have stambled appear a harded

space and time constraints, I just recommend a visit to self-defense. I would include further facts, but the to WARRICKSTRUCK COMP implicated were released when the "crime" was declared be contained the trime he's acrosed of (Killing two FIG that he command. Even if there way any evidence that no proof of even competing elementating evidence agents), two of his fellow AIM leaders who were also been in priven for 25 years for a crime of which there is lookers of the American Indian Movement (ADM) has Kevan's not the only one. Leonard Pelber, one of the agree with Brother Lifetion's lower in the full issue, agree wholeheartedly that he's getting the shaft. But I I do nothing to reduce Kevin's plight, become

Tree Revin, Free Leonard.

Š

cretybody on my floor heard 31 God bless America, and yet. "Robosov": " at the top of my large! I think the news, "Kevin Mimick is free," I was so excited by Chango area. Channel 32 (the Fex network) proclaimed there is still justice here! the news, it coused me to involuntarily drop to my lesses. I was just watching the keed news here in the

Rave669

endangered species in this time and place. More like the injustice facility can our, Justice in un

stacho film to follow. His crime was: He got cought ested in him can then read the book and watch the hig Losers get caught. other than pushing for Mitnick's sentthood. These interful, write a back, and have the pages of 2000 to topics Nicked over the had couple of years, he should be thankthat was, fair, If Kevin Minick arcided being butdever promised that it was Realty is, perfect is not, and The beson is life to not fair it never was you were This is not the Kesta Minick For Club Newsketter, is at? Okay, he's free, Now move on to something else.

bons. Hope you learned that this time. Note to Review You fack with the built, you get the

the phrase "Free Keeth"

2600 reader tired of bearing

he ruch motions. Thanks for writing. this when those who appear an consistently turn out to If always makes as feel like we've doing the signs Vinoy(

Dear 2600;

wind. By the way, my teacher even solved for a copy of the magazine to fearn more about Keein? firekeyin.com for all the info I needed to spread the know that I have done my part before and after the to me asking me stuff about Kevin. I jest wirds to let you speed to the other grade levels and I had seniors coming Kevia sago. Much tlanks to your eragacine everything... the word had gotten out and it was large. It flow. Later the next day I found the flyets on lockers and a little nervous about the whole thing but went with the with pictures of Kewin, It was an estimate My teacher was them out, and put bumper wishers on two posterboards plained the support network, printed flyers and hunded so a normal life. I brought all my issues of 2660, extive report on whatever we wanted, so I devided to do For my speech class to school we had to do an informathem about the downsides of his release in comparison are to inform the people what had happened and tell my speech on Kevin. I went the full time yards on this Hey you guys will sever believe what happened

little it up. Rest assured, it made a difference and we mination. More than a few were disciplined for darling to milder into their solveris deserve our gratitude and ogsmooth one. And all of the students who brought this undeal and helped make the transition back to society a shiwa over the years has helped Kevin pet through this hope that server on implication for fature courses grade carries of vilabous speed broken speed from your

More on SecurID

tled "Security Volterabilities in Security" written by ps/rai_bbw/scound.ps. Riter2 in 1995, can be found at www.nei.com/media/ card and implementation. A comprehensive asport, endnesses and insecurity of the Security hardware token ing. Much research has gone imp probing the weak from 153 - the same "Security" can be quite mislead-In response to Inscribe request for information

(Resiliates T) herdware taken and found a number of curious problems did some intensive reverse engineering of the physical Light Heavy Industries (www.Light.com) previously Aside from software and implementation flows,

have beard nothing since then, the dove to a number of alleads mounted from the Palm Companing (PalmPilot, Visor) device, This could open device. The press release was from April 1999 and we flots the use of the SecurID technology with a Palm its (www.rsaseconity.com/news/ps/950406-1.bcm) men-All intensing press release from Spourty Dynam-

to wake them up. nismally stems and public sentiny may be the easy way. are non-responsive to flows in their products/mechaimplementing them into their systems. Many companies It's nice to see people questioning products before

Light Heavy Industries

More Fun in Retail

the scanner/prieter combinations in Wel-Mart grores, I [8] months and finally got a good look at one yestenday had seen a couple of early versions of these over the last I wanted to follow up on Sylex's tener in 16:2 about

Sparc 4 or Sparc 5 on the pieze box stape, it is an older one, probably a incurred, I could not see the model number, but based socially a Sun workstation. The way they have it screen, and a Kodak dyo-sub printer. The computer is The kiesk has a Kodak flathed scanner, a touch

a standalone Solaris box. are a few options have fur those desperate for a way into only input device was the touch severe. At first I though walked around the back of the cabinet to check), and the with no keyboard and no network connection, but there you would need to be justly damn 31337 to back a box The unit lists was not connected to any network (i

way, which take advantage of the I/O devices. mode, don't you?). The other, possibly more interesting the bear would be trivial (you do know how to built a Sun machine from the keyboard and boot into single user If you had a churse to do that without delection, rooting Oue oyean would be to attach a Sun keyboard to it

is his the soft keyboard on the worth screen. shell jeumph, the only way to interact with the machine a UES fragy you bring from home. You would need to models, had a doppy drive and a CD R unit built in This use some care in doing this because even if you get a a buffer overflow, or presibly running a shall script from opens up the possibility of dropping into a shell by using You see, the unit that I saw yestersky, unlike outlier

are carefully actuaisized by trained admins about it running TCP Whappers or having easings that that you print or save, so there would be any useful fish. Even if you do manage to root the box, it is only peoods there. At least you probably don't have to warry standalone. Billing is done based on the number of scars The reward on this one is peetly low relative to the

etratrate on rooting the Coke machine instead limited capabilities of the thing, you might want to con-Please don't destroy other people's property. Given the Bemember, this is for informational purposes only

Arguines

in security If I can contribute some more info on these gaping holes there, but the procedures are extramely lax. Wendering early, Fung. Loss Prevention dictates most of the stuff listing I work there now. I know of most of the gaps in se-Thought it was interesting and thought provoking. Bo-Read the uticle on "Messing with Staples."

The Wedge

Dear 2600:

968 yourself. Anyway, I started mosting with it, and one they let you since your eard in and punch in the numing fround with the tredit card machine - you know, the Was waiting for them to ring up the movie, I was mass-I was in Blockbuster a few rights ago and when I

> is what can I do with this zero. would let me set up new passwords and all, but I was when I practed in onter and 1. I got a setup message. It mere intenseed in the board rate setup for it. My question

things up and probably get in a west of trouble. Hopehere incredibly heally they he set up in the first place. fully the people material these systems will also bearn wither leave how their system operator or really some Depending on what had of person you are, you can

Dear 2600:

working with the machine and it looks like there are backdoor of some type. I have seen one of the managers try and erack the code and possibly find a default or many options and thing to be done with this. type of equipment. I share this so that others around the and others. I would imagine that they all use the same This includes: Xing Sooper's, Kinger, Fly's, Dillocks, nation who work in similar positions can take the time to out that Gity Market is part of a large field store chain. In time, I will have it. I did a little research, and found fault or some type of password formar, but no luck yet prompt. I have spent some time at this, bying to get a deof the same table, the screen clears and has a password was describing. By pressing the EnterPes button and 7 that has credit card scanners similar to what the reader are that person. I work at a City Market grocery stone be the perfect candidate to spend bours trying," Well, I shout the credit card scanters at stores. Your response was the evenight carbat with lots of five time would This letter is in response to approtocol's letter in [69]

MindardMan

Dear 2600;

z would help! (I know efficient that Pazza Har keeps a database of all the people they serve.) if there is a standard USER/PASS for Paga Hot Systems she could give was her cashler onde. So if anyone hones fack I'm talking about when it comes to passwords, All billed to the manager and the does not know what the local Pizza Flut, with no hope in sight. I have called and V/386 Release 3.271 have been working on backing a Does adjust know anything about SCO UNIX

Photo

Dear 2609:

and not help anyone out. Thanks for nothing area. You might so well new your facking tips up tight reply I got from you guys didn't belp in anyway whose locat in a letter on the credit eard morbine, and the

cashmolia

Proprie manufaceed above you're likely to wind up in with it. It also gives us some implify as to which group of don't even throw that there is a magazine that goes along mated mady to your letter submitted you probably Since you were appearantly affected by our mate-

Dear 2600:

Suples. The article itself concedes that it is written by a farmer disgranded employee who is volunteering trade an article, allegadly written by a former coupleyee of It has come to our attention that you have published

source subjecting yourself to liability. activities as well as critical actions by others, you are of time to provide assistance to this individual's primitival tion of property and strading. Should you choose to conment of this article is to encourage mulicious destrucscenes and projectory information of Staples. The clear

and contracted obligations is not protected by the First publication of obvious trade secrets and misappropriated free to publish any publicly available information, the for any demage we may suffer. While you are containly ated thate seems information, you are open to liability proprietary information obtained in breach of fiduciery In addition, to publishing obviously misappropri-

cret information as it puts in jeopardy very valuable gal matter, we cannot tolerate the publication of trade so. of our trade socrets and proprietary information. As a lehackers, we have an obligation to maintain the integrity subscribers and their confidential information and heap net. Just as you would protect the privacy of your curity devices is assential to the functioning of the Interyour own and other confidential information safe from maintenance of the integrity of passwords and other seof confidential and proprietary information and the and the benefits of the Internet However, the projection Staples is a strong supporter of the Piorle Velde Web

mies, backers at disgranded employees or subjects of law due to the defense of "unclean haids." Your encyou are barred from protecting rights that you violate your publications will undoubtedly take the position that surbox, you would find yourself without a remaily at sames, or private information of yours or your subdestroy your business through revelations of proprietary grantial employee or hacker who socks to damage or lose them. Should you find yourself a victim of a disthe integrity of the security of private information and as a publisher, you have similar interests in protecting passe only its tailing to respect these rights you stand to If you reduct for a moment, you must recognize that

January 28, 2000, we will pursue our legal rights. soldsbattery response to this letter by \$00 pm on Friday, sponsibly and immediately, but if we do not receive a let this matter drop. We hope that you will respond to-Consequently, you can be certain that we cannot simply defend our trade secrets and proprietary information. of our property, we have no alternative but to vigorously However, in order to maintain the important protections appropriate action against this individual. We hope to avoid the nead to include you in my legal proceedings. ples' so that we may pursue our legal remodition and take you identify the author of the a tiple "Mussing with Statains to publish any of our trade secrets, including pass but to insist that you remove from any staterial you consecurity systems. In addition, we benefy denoted that words and confidential information concerning our Under all of these circumstances, we have no choice

Senior Vice President,

Thanks for the friendly advice on foredone of speech General Counsel

> would best be suited if you simply mitided yours. publishing this insuperior for longer shore Steples has While we were doing this, we realized that we've been and protecting our privacy. It wally made so third tions on how to run our budiness, we feel your needs been in extranov. And white we appropriate the eagges

station the only methods you into of to protect privary? implianceating proper security? Or one phreaty and intentive tylermation. Why down I that addigution extend to You chite to have the "obligation" to protest write

(ii) of Peed Minin? Windows 957 On the fact that we appeared the trace laterstitionen "Chi All-Deleg-Did Tink" met av drag inge words at different stores, thank you?) The previously lich accordie nacine? Thu do we differen pavpended minuse of the word "hacken". But are triing we're of your stores asset a password of "password" on a pubreally caring about it what the so-called "trade soerests" are than you wish so keep quiet. The fact shar one In the interest of space, we'll overlank your re-

person would consider to be a made secret. Of course, we've wandered into the corporate world again, however There is nothing in the article that any reasonable

other missele at eald to your abready impressive fix the create mention pleaser industry. That would be on-112) since we've already embrodied in a lowered filed by threats of any sort. You may think this is a good appoint. better. The will arrive revent a rowner without that nounce's explicit permission, and we went case in to And as for your "dominals," you really should brow

Dear 2600:

leuted by "Full Armer" or something similar (averus as). store.) This is especially useful if the workstation is prothe superstate is always "close". I'll let you guess which disking the "Built for You" harmer at the top of the from my personal experience working at "souther" of screen nine times and typing in the preseword (which the Company BTO Book. You can also exit the book by your winter issue and just wanted to wid one thing about I just mad "Messing With Stoples" by Movenick in

Anti-Venom

Business" in 16:3's Venum section, I had two twisted After reading the comments of "Note of your Dama

made of cardy 1) Yes, and wouldn't it be nice if the world was

in the trenches, and pure power struggle. The sony you den't enjoy it. Perhaps you should play another game. Harking is part playing tranks to keep up morale

Additional Details

Dear 2690;

in-park phones all over the phase backstage, and a few I work at Disneyland (Anabeim CA) and we have

> ony grands to play with it, unless it's one of our wannabe cop seco see you on the phone, they will probably just sek you not Open the door and there's the plante. If any employees the gate and you should see a wooden box painted green entions, where the motorboars once were, back along park phone is serious from the front contrarge of the Macthat code (including pound) you will bear another did sare there are other codes as well. One location of an intime then peess 9, and died the number. Play seround, I'm ande to call back to our offices or other Desney propera small wooden box, keep an eye out). These pilones see 881511 filed to work but they disabled it. Once yop dial ferent variations of this number, \$581812, \$681814, etc. phones which don't let you dial 9. There are many difeven, you can't coll outside numbers on the in-park dial outside numbers (normally by pressing 9). Howties yiu extension numbers. The phones in the office can scattered throughout the oustage area (usually hidden in

netypill

Dear 2600:

in 2002. is Chrysler's new PT Cruiser, that is in fact coming out the company that Soom worked for is Chryslet. The car It the article "I Own Your Carl" in 1634, I believe

Dear 2600;

on the cours windshield - at least, the system he knew night vision system, since it apparently deepn't project greatened how well the guy could have driven using the Something the engineers decided to tree in He also fuel cell in the trunk, but he said it could be there as is most likely the Cachillac Evoq. It apparently does have the concept car with something "evil" under the bood in A Subancharged engine, though he knew nothing about a 15.4. My our buff roommane says the vehicle described Leajoyed reading the article "T Own Your Car!" on

beginning to wield over medians, even began nations. more feeful of the power multinational corporations are 88 well (already happened once as far as I know). The far and a way to use and abuse whiche tracking/control tech from work each day. Although I'm sure orderity will of our lives. As if "tageted" web advertising and TV gur wheels even more. On the other bond, it's another inowing what stores and malls a driver passes to and enough, imagine the spanish worthing possibilities from Essaive corporate eye following us in one new aspect len years, along with diswark outside software to trick our one band, we could were Linex distriction for cars in the next Cations technology both exciting and frightening. On the frometion through tracking of our browsing babits isn't I find the possibilities evoked by the our's commune

Platinum Dragon

Defeating Corporate Advertising

about removal of human ack from various free web page In 16th, page 51, you respond to SpeedDRaven

> advertises had paid for - it's a breach of opposite. the TV station decided not to play a commercial that an no matter how detectable you find them, is the same as if fully broadess them. Removing Goodiles barner ads a web page with one of these services, you're entering programs will see the advertisements, but they do faithas fast forwarding over commercials. Rather, in placing TV spacen doesn't expane that everyone weaching their make money, of course), they self advertising time. The into a contract that is more similar to the TV station that not stealing housess removal of the messages is the same provider services. I think you're wrong to saying that it's wills advertising. En order to pay for their enex (and

that decon't require this so part of the contract them. This is the proper action to make if you don't like site. Get you should put your web pages at an address seeing the ads. If you don't like that ads will be on your eds from the olient before your however ever teacher tike junkboster (www.jenkboster.org) that will remove On the other hand, there's great software packages

an eversity - it's a big would out them. tions they are endocsing are illegal. I hope that this was when the screwings of the legal system says that the ac-Normally I find 2006 to be mitfally contact, even

whi Shyddod penytir who managed to keep their annoying ade from going to Geordies pages aboyether were a not for the should be used that many people would have stopped resource to differed people and for the stage of mountaining filters. If gain a secricula on individuals. We one new advertising thase who aim't failern their rades, it goes against human records. While they have the right to remove the pages of This is another testance of corporate logic trying to

Dear 2600:

stops alive. Simply open up "My Computer" on your Orl+Alt-Det and end the fraci program, the dial-up not and you will see a connection called FreeiNetworks. desktop and then open up the dial-up networking folder working is still running. That is how the connection to connect to its servers. Therefore, if you hit your for you and that is actually what the freel program uses that's it. Your connection will be individuabed and no Open that up, enter your presented, and click connect. substractedly sets up a dial-up networking connection way to bypose the ad but. Once the program is installed it book of whole using their service. There is no even easier to get rid of that annoying ad his that first makes you This letter is in assponse to mad how disease's trick

Help Needed

Dear 2600:

my hist time writing, and I have a question for you. hooked. I buy every issue and catch every slow. This is security were given state a real flood grand of white turned see so to Off the Hook, then the mag, I've been I have been an avid mader of 2000 for about six

I want to know if it is possible to back my devator.

close door bunne actually closes the door as soon as I has back the computer that controls this function so the the door immediately closes. So, is it possible to some every floor. After bours, when I hit the close door bulker about to close, they swarm in like bees, and it stops on bassise all these people come out of nowhere just as it's it's in there just to flustrate people. It is really surreying about 8 cm to 5 pm the doors stay open for a set time Let me explain. During regular besiness hours from frame. The close door button they nothing it all - I swear

feasible to pull this of? the elevator but before I bother doing the research, is it networks bero.... I can find our more technical info about some connections as I have secrething to do with the nion and gather some intelligence. Let's just say il have Hency I can social engineer my way into the control

a class door patter that servally above something even bounding off the walls in the leithy waiting for the and record have resourced isso your elevator unit wind up antly what you want. For one thing, all of the people who That the time. Most of the time they do sorting or as englasian. Su should construenced bety met yet how cienator and this rould had to all kinds of problems and "As certainly dooble but the require may and be as-

know? to do with phones? It is, isn't it! How am I supposed to place). I was unable to find any kind of history or explorfirst page (to make sum they both work to the same on, After Telesked out both "Free" and "Kevin" on the magazine.) Where is the "About" button on your webmation of what exactly 2600 is all about. Is it something heard of 2000 from co-workers, so I decided to check if site? Everyone else has one... why don't you? Thave What is it that 2600 does? (I know, I know, buy the

MSNBC Interactive Dan Wheeler

The fee working on a special remedial site for the rec-

conexistent, places verify" message. datem, pechaps), leaving the book of their books with a home city just south of San Diego. Here, a lot of instantly get the familiar "the number you have dialed is flat govering that has a bold in which you can pull out the fortreses get taken down (the reason evades me... van-Right after your first DTMF number key is pressed, you line and get a did tone, but here's where I'm stack line cable with your middle ringer. You book up to this I've been trying to phreak in Tijuano, Mexica, my

discinguish that each one is really only a little bigher in bear the familiar DEMF one for 1. The beeps are condisplay as you have those four short beeps, and then you four short boops. So say you press 1. You say "I" on the the first DTMF bey - whichever it is - it's "played" after mentioning that on a needing features, when you press just about the same, although on closer scruting you can sidentity higher frequency than DTMF. They all small My friends and I have several theories. It is worth

> yith than the one before. We guess that the busps we a sort of vertication system placed by TelNor so that they prevent what we're trying to do, which is get the calls.

frequencies they are. And we'd also appreciate any adtion on how to reproduce them without using a coordin I'd like to know if anyone out there knows which

Labday

State of the Hacker World

them are purposely speaking another bequiege. It makes issue, I just really felt the pool to write in. First off I Well than way with state. them feed like an worded outsides. The before line is upways agrees it's ennoying as all hell when people around why everyone thinks they re such acteans. Everyone abthey're using their leet typing skills who can't ligare out probably the same facts who think they're all cool when like bad gays. The thing that really pisses me off is it's west for enough. Personally, I think it's things like lost pages to get a massage out. However, I don't think be idiony of using anything but plain Emplish on hacked want to say blotally agree with what Hex said about the little, we're always going to be looked upon as outcasts use the people who know help those who dwn't, even a sub languages that make the backing community look After reading the 21327 isms article in the Fall 99

of me as the storeutypical hocker, they're not afraid of in the feature. The end respirate, most people don't think all about? goting the word out and helping each other what 2600 is their way to belp me out if they think I need it. Hell, but't my ubilities, and most often they're willing to go and of vices before they be readed to those who may need from egy question. On top of that I always by to offer my sereveryone who comes to me with a computer or technolhave always and will exerting to help out anyone and On a somewhat related note, I just wanted to say I

And consupting the corporate mindret. Don't forgot

years now and for the most part you have kept up a ans. But then they some down to the bottom and set the the Hook and a lot of other good and informative mediput a somewhat nullifying effect on your page. When the "Hadded Web Site" section of your page has always steady republish for being an intelligent size flowered "Status Web Site Archive." consider arrives there, they see the recent nows and Q_{ij}^{μ} I've been watching your web site for quite a few

be such a bod thing if these hacked sites had something to say. The reality of it is that they all say the same things Do you not see the hypotries in it? I don't think it would cause chemogram change data. They're just there to beam WE OWN YOU THAT BLAH BLAH WE'RE Your page repeatedly says that hackers are not out to

How bittandy ignorant can a group of people intell

part chaldren a place on your web site easy really be? The modic thinks of us as those kids ligent enough to figure out how to back wat sites, after fact, it appears you are gloridying it by giving these ignoyou man't dateuriding the sterastype. As a matter of playing on computers changing web sites for fun, and

Mind Plague of The Coomittee

aw the site regardless of what it says. It is our hope that 75st what's the point? during to get a message out. If the message isn't worth the We a hig risk in welcy's climate but also a smigar opporthe people who engage in web page burking realize that Which is made richt in Deutstad in Proportiones we will minthat to this is when the site is so under bottom that the as earny a halfnery tradificant meanure. The only excepafter crap. The ones we publicate are the ones that heat each and every site that gets backed. Most of there are This you precisely this reason that we don't publishe

genies' and the military's computers fine that his car could easily pay off, but he would just boas. Second, they hit him with a \$40k fine and a 15 to look up some things the sites provide. There are peaback, it was the fact he backed into the government comweb sites. It is not about the second damage caused by the head that what he did was against the law. They could month sentence because they want to get through his ple who want to learn about these different organiza ally misinformation if you ask me) from the web pages really wint to scuess the so-called "information" (actuage. His off, there are (God forbid) people who actually name to securifying the and he did not durary and thengovernment sites. He "only" Eliment for huckers is too high. One of your latest cornsilens. These are almost as sensitive as the plane comast give him neights a cataglic of months in protein and a There are kids who are stock with term papers who need plaints involves a menager who hacked some I always read about how you complain that the pun That was nothing? and go back to backing more changed the index himl

Restations your other before would lost privacy. allowed to tell acycles's about you. I think you need to golden rule. So you can go around harking into other Wasn't heading? That is why doesnos and priests men't people's computers, but what if they could get into tites it not stealing. therefore it is not wrong. I live by the surpresent files, and they got away with it because it pairs? How would you feel if anybody could look in all Taken want to discuss you obtaining that copying the

directioned, their relact desides pride, has been harmed? made a minister on more level. If modifing was crossed or Methodise to hacked, his because the people running in the part of organization. But missakes often are. When a embersacing and inconvenient when this happens to that web site on the same system. We understand that it's the farger is anyot caused to keep their resealthe material NOT the scame as heading into a securitive system, under Changing the message on a web site is a minist net. It's one to also doing assuming is to mix their lives? Do you really bettere that the only way to get some

> ien to what hockers pay you actually how a chaww of themselves that they have privacy when they have none. shiply poutst energione with affects them may common paining some privacy. These who refere to lister and (inserant if this warship hader been delivered. If you him would have been just as invisions and many times more They don't feel secure argument? Bell, guess which - they

Dear 2600:

cause of that and left hacking alone for a couple of years. by to get the gey (or girl) to think they are real unswers. or name (or some other form of cummunication) who this same thing happened to me. I gave up too easy beblocs often then not, they just yell at the person timb they used on seguid). They give surcestic answers and question. Take and time again they cheer the "farmer" (as question that the guys who call themselves it rad, leet, or are generally trying to learn about backing. They ask a hobbe leaves. When I decided to Jeam about hacking whetever saym to think is a quive or simple-minded blore and more these days I see people come on its

these people are allowed to keep up? resentment. How are we supposed to be a community if over the real beginners in a way that promotes anger and about hasking a few simple DoS attacks or senething. pissed off at the world. They find out one or two things say, not all) so called less evil havor dudes are just lids and they think they are top of the line, second to none Then they use the small amount of knowledge they have Then I realized something. Most of these (most, I

castic answer, you gave him a generally helpful one. congratulate you guys on something I saw in issue 16:4. Somethody somed "Val" wrote in asking questions about choosing the guy out or giving him some smart ass secare, obviously not knowing a thing about it. Instead of Now down to what I wanted to say, I just want to

the mass of "bookers" boday. Just one more reason why I hold you guys for above

philber life

of the first right of other safe. inuc seaso. But then again, neither are those who give up always providing to help offers are not harbors in the boding for shortests deserve streams. Those who are People who show an above to trave and are only

Dear 2600:

computer says-here - was being proven right in front of theirs. I don't blame the public for being ignorant; I they are teenage cyberpunks who will hack into any perception that these students had about hackers - that fround him as he was taking about all this exp. The card maskers at his house. Everyone started to gother thing. Then be shared brugging about what he can do to operating system that sucks are." Well, I was somewhat due about it and just said "UNIX! On yeah, that ancient he could hack so I asked him about UNIX. He but no likes to brag about backing and what he can do. I heard started to notice why. I know a kid in my school who semante's exemputer and how he has five pages of erectif surprised, and I knew he didn't know much about any were like the kids in the movie Hockeys. But I have I used to be so mid that people thought that backers

Continued on page 48

Protection Works

by Lord Xarph

tore Demos at (For some kickass documentation on weird formatting, code wheels, etc.? getting weirder and weirder? Spiradisk Remember back in The Old Days, when copy protection schemes were xarph@blueneptune.com check out Trixter/Hornet's Life Be-

the game was loaded. failed, then the disk was authentic and write at that point. If the read/write the disk, then attempting a read or the disk - using a laser to burn a hole in ing schemes was physically demaging pyprotection.) One of the most interesthttp://www.oldskool.org/shrines/lbd//roo

search on Altavista for +playstation best thing: cause a read error at pre-cisely that point. How do you do this with a CD, especially one that is supdeal. Use your favorite search engine. A has written a highly technical FAQ that press? Easy: encode a few sectors with a CD-ROM, but you can do the next has exact figures which helps a great impossible checksums, loepic!/TRSI posed to be mass-produced on a Well you can't exactly burn a hole in

self automatically. Sony manufactures burners for its licensees that will allow whathor. determines on its own and writes by itreceive "redundant" sumer CD recorders are incapable of writing invalid checksums. Consumer country code (more on this later). 'So user-level control of the checksums and cludes checksums. These the recorder files or content of the disc. They do not Just copy the zero checksum!" Wrong-o The whole key to this fact is that conauthenticates, and goes to check the zero, which is impossible. The Playstaauthentic PSX disc have a checksum of +faq +lcepicl/TRSi turned it right up.
In a nutshell, sectors 12-15 on an recorders receive bit-by-bit data of the the checksum for 12-15 is impossible, tion, on boot, checks for this, finds that data, which in-

creek? Of course not, We're hackers, firmware in the CDR to allow the copy. dammit. You can either patch the Does this mean you're up shit

> tion to ignore a valid checksum (easy) ing of what it thinks are life-gal checksums (could be hard) or modify the Playsta-

Copy protection is just one half of a Country Godes

correct, so if you want to dupe the disc with a different code (i.e., the one for your PSX), strip sectors 0-15 from the system area from a valid disc. image of your source and put on the Playstation of the country code. Fortu-nately, the checksums on this area are rized" to run on; US/Canada machines, Japanese machines, PAL machines, the DVD world), you have to deal with country codes. These wonderful things puzzie. In the console world (and now, tell what systems the disc is "authosto. In the case of the Playstation, the irst five sectors on the CD inform the

biah blah blah, Let us continue and hence require a modified Playsta-tion to run. This is for information only, getting paid for their hard work. All CORs I have seen have invalid headers cause I like the idea of people actually imports, not CDRs. I buy originals be-Playstation has been modified to run do not copy Playstation games. My one thing clear: I have not done this. I At this point, I should stop and make

mod it. First you need to know what ify a Playstation disc to work on your model PSX you have. unmodified Playstation and decide to So you can't figure out how to mod-

have a three digit model identifier and a one digit region identifier. The model number printed on the base of the box. ditionally, you can identify the model Playstation in the form SCPH-xxxy. Adnumber is on the bottom of your the box it came in, and the same model based on the feature set, the color of Model numbers on the Playstation Playstation Model Numbers

first Playstation model, it comes in two SCPH-100y: This one is the very SCPH-xxx2: PAL/Europe model. SCPH-xxx1: US/Canadian model. SCPH-xxx0: Japanese model

and above. If you have the lower serial, you gan play imports or CDRs without flavors: below serial number 592000

modifications. If you have the upper,

black sides you can, but it's so damn hard you shouldn't even try. It came in a box with

protection/country detection disabled. SCPH-300y: Net Yaroze system. Ba-Same as 100y, but in a blue case with more RAM and the copy SCPH-200y: Developer's model

bunt cake. make reference to Brock Meeks' Be-yond HOPE keynote - I'm not Macha Stewart, and this ain't a recipe for a here for five more pages. Use a search engine and find out for yourself. To touching this with a 40 foot pole; I'd be sion of the developer's kit. I'm not sically a stripped down, consumer ver-

much about it ple who have seen it. I don't know model as far as we know. This was a Japan-only release according to peo-SCPH-500y: Only exists in 5000

choice. For one, the motor is still spin-

ning white you swap the discs (Game enhancer people: shut up; I'll get to

ply. It also was the first model to remove the RCA jacks from the is turned 90 degrees clockwise to keep it sway from the power supburn CDRs, you'll get the same problem. Another reason to buy origin skipping on anything streamed off the CD (if you use cheap-o blanks overheating problem affecting 100ys that caused the lens track to warp. the 100y. It came in an orange back and cost \$100 less than nats, hint hintl). The CD mechanism lose focus with the disc, and start SCPH-550y: This model fixed an (ii you use cheap-o blanks to

member what color box it came in. that was harder to modify. Can't reanalyzer and a redesigned board in the US. Had a glorified spectrum SCPH-700y: Sold for 6 months

that this was the only model a dual shock would work on. Not true. some reason some people got the idea that includes a Dual Shock controller that it comes in a metallic-looking box dun) instead of a standard one. For SCPH-750y: Same as 700y except

ist. More on these down the line. and whatnot that Sony wishes didn't exchunk of those are "external mod chips port from the back. They don't have any peripherals that use it, and the only pemodify. Sony also removed the parallel longer than usual to figure out how to pletely redesigned mainboard that took ipherals for it are unlicensed. A good SCPH-900y. This model has a com-

ways to boot a disc with an invalid There are three commonly accepted Booting Invalid Discs

header.

will say this makes for a very poor tail on how this is done - once again. search engines are your friends - but I will be done without rechecking the Exit the CD menu, and the bootstrap 100y, then you can do a swap trick to run an invalid disc. The first Playstaheader. I'm not going into any more dewithout triggering the lid-open sensor. then swap the disc with an invalid one first edition, you can boot into the Playstation CD player, have it load the of the bootstrap process, but with the quence. Newer models check it as part from a disc prior to initiating a boot setions loaded the header information neader information) from a valid disc, Table of Contents (and hence, the Swapping: If you have a first-edition

frames, so your music will be in-credibly screwed up. Mod Chipping: This is, by far, you in a bit), and excessive swapgames that use redbook audio (that's standard audio you play in your CD player) will use the old ping damages the motor. Also, table of contents for track start/end

favists for +playstation +mod gines are your friend! A scarch on Alhear it again, campers: Search ender the mod chip to the board. Let's Flack left out was where you solting into how you do it. One thing the most common and, in my in Flack's column, so I'm not getopinion, best way to run invalid discs. This is what is described

started putting code on select Playsta-tion titles that hung the game when it detected a modichly. This worked by the mod chip and turn it off after the fution was to simply install a switch on code and boot the game. A low-tech so Game Shark would bypass the lockout came known that entering a code in a all over this. Within a few weeks, it bewould not. Hackers, naturally, jumped Playstation after the game had already booted, A standard Playstation would Starting with two Japanese games named Poporogue and IQ Final, Sony which Flack left out probably because his article was written before the term hits. Now the downside to chipping. reject the start signal; a modified one sending a second start signal to the had even been invented: Lock-outs. +installation +pictures turned up 271

bootstrap process. Additionally, new "stealth" chips are evallable that bypass this lockout code altogether.

up the audio TOC when swapping: first edition 100y series! Now, you boot into the Game Enhancer's CD Player Shark do allow you to boot invalid discs the article I've been itching to write ever since mett's letter in 18:2 (which hancer and its ilk do not you. Early model Playstations screwed strap. The GE even stops the motor for with a valid disc, swap, and then bootbox. The knockoff versions of the Game US by Interact, is the only parallel port device for the Playstation that does not was fully half incorrect, hate to say it) from what I hear, the Game Enallow you to play invalid discs out of the Shark, manufactured and sold in the are not Game Sharks. The Game Game Enhancers, and all its knockoffs by re-enabling the swap trick from the Game Enhancers; Now, the part of

the evening think about hacking that at this time of system that links to a sector inside the the CD itself with a pointer for the the entire game in a disk image on cutable - the current tad is to embed cutable, but that only works on ons by manually starting the exequence in any way. Some Game Enhancers allow you to run addsubsidiary image. I don't even want to games where there is an execan't after that secondary se-Playstation in the middle of a sesadd-on discs basically reboot the into. Also, most add-on discs don't have a parallel port to plug them new 900y Playstations don't even So why isn't everyone using Game Enhancers? For starters, the function with a Game Enhancer and the Game Enhance

emulators. Sony is claiming they inimproved by piping them through a 3D accelerator if one is available. Sony, Playstation games on your Mac or PC. In the case of bleeml, the graphics are rently raging is over two softwere pack-ages: Connectix's Virtual Game Station and is attempting to gain injunctions naturally, is spitting nails over these are (almost) fully-featured Playstation and Bleem LLC's bleem!. Both of them against both products to keep them ringe on their intellectual right (they emulators that allow you to piey One of the major legal wars cur-Playstation Emulation ; not one bit of Sony code is used Sony,

> from shipping. One of the obvious rea-sons Sony is so angry is that it's repossible don't know - but rest assured it's quite programs to play invalid discs; they markably easy to hack both these say how this is done - mostly because out of the box. I'm not going to

you get sued and go to jail or get nailed with a fine because of this stuff, it ain't above was for educational purposes, if claimers: I am not a lawyer, all of the All right, trut out the legal dis-Legal Ramifications

my fault, etc., etc., etc.

rec.games.video.sony with distressing companies that spam There are a trightening number of

regularity offering the sale of PSX backups." I find this truly emazing. What these companies are doing, any way you measure it, is illegal, I'm gorec.games.video.sony FAQ: ing to quote now from the

tion from the IDSA (International points, this is all based off informs-Just so you have some reference many a flame war in the newsgroup. very confusing topic that has led to Digital Software Association), the in a nutshell; maybe. This is a 3.15 - Are CDR backups legal?

nat; you're on your own Convention, these apply to you. If your country has signed the Borno entity you'll most likely be ten-gling with if you get busted for plrscy. The law in question is 17 U.S.C. Section 117(2). As for countries other than the U.S.: If

with it or other such damage) own an original of for archival purposes (read: your dog decides to play trisbee make one copy of a game that you Basically, you have the right to

ware, Backup sellers: yer screwed are the copyright holder of the soft-Backup server operators: yer screwed or download a backup off the Internet. You cannot sell backups unless you

The law states that you cannot post

the program. In other words, you can't trade a backup unless you own the rights to the game. part of the transaction of all rights in is also transferred and the transfer is ferred to another person if the original the backup copy can only be trans-

disposal for the sole purpose of making many very expensive lawyers at their your life a living holl. Just keep in mind that the IDSA has As for backup services? Who knows

by ccsucks

I was a manager at Circuit City.
Unfortunately, Circuit City and I parted
ways (their decision), so I decided to friends at 2600 ... enjoy write the following article for my

(in other words, if it's not in stock, the associate can "special order" it from the main warehouse Price lags lf it ends in .99, it is "In Program

t onds in .98, it is a sale price ((Challenge the Competitor) it is a sale price or

chance to see the unit working for yourself. Sales counselors usually competitor has it on sale.

If it ends in .97, it is "Open Box." As a rule, avoid open box buys at Circuit City like the plague unless you get the don't test units that come back as

Open Box, even though they're sup-posed to. And never believe the story that "It just came off display." If it ends in .96, it is "Out of Pro-gram (OQP)" (in other words, if it's not above, thought to order more of these). This is a dis-play that you may be able to purchase in stock, the associate will not be able Same caveat emptor for Open Box, there are none in stock at that store.

price on it, it was not reviewed by a If you see an Open Box with a .96

sales manager and was "auto-priced" by the system. You will definitely be able to get money off this price.

If it ends in .95, it is "Going out of Program (GOOP)" (in other words, the associate may be able to order from the main warehouse, but probably ള

This covers 39 percent of the price tags for store merchandise, but does not include pricing for any music software (CD's, tapes, DVD, etc.) or major appliance sales like "10% off," etc. elephone Fun

to call your wife before you buy that big screen TV. "But it's long distance!" you'll exclaim. The sales manager, not wanting to lose a big screen TV sale. a floor manager it you say you need social engineer the 4-6 digit code from Dial 9 to get an outside line. Long dis-tance lines are blocked, but you can Pick up any phone on the floor

> has its own long distance code, but I can't tell you the number of times I've been able to stand in one part of the Matching will gladly dial your wife's phone num-ber and, after waiting for the tone, dial store while no one is standing around in the long distance code. Each store

0 Front counter (they will see ex-tension you're calling from) 50 PA system on floor and in ware-

150 PA system in warehouse only

(wait for beep) North American National

Bank (FNANB): Circuit City card 5550 Circuit City Headquarters 5570 FNANB Customer Service 5580 Help Desk. Social engineer a sales manager's name. The help desk puter system training as the operaing with sales managers because they is generally a little more understandrom the web site. prints on the receipt or you can get it tions staff. The store number (4 digits) naye not gone through as much com-

down, they will ask you if you're by the CC130. Say "yes." Tell them that there are no lights on the CC130 at you tell the help desk that DPS is

If you're not the adventurous type you can just hit 50, go over the PA system, and say "DPS is down." desk themselves! That'll get the Ops staff running to-ward the CC130 and calling the help

tem (the "computer system")

CC/130: Main board in the general A Little Computer System Glossary DPS: Distributed Processing Sys-

register into which everything (monior, thermal printer, scanner, check Wedge: The main board under the

office behind the counter.

tour digit store number.
Want to call the Loss Prevention
Department? The number is 1-800353-2257. I'll leave it to your imaginaneader, etc.) is plugged.
Want to call any Circuit City agross
the country? Dial 1-800-475-8515 bon the information you can tell them! and, after the tone, dial 333 and the

by skrooyoo

The Coffee Box is nothing new or radical. What it is, however, is a merging of two existing boxes into one extremely compact, lightweight, and affordable unit.

Essentially, the Coffee Box combines the functionality of the Beige and Brown Boxes. What this means is that you have a lineman's handset (basically an ordinary telephone adapted to attach to the bare terminals found in telephone boxes) with the Brown Box (a device which bridges two separate lines to create a party line of sorts).

What sets the Coffee Box apart from both of these devices is that it not only combines their functionality, but puts it in a package that is usefully small and very cheap. I built mine for less than US \$25.

Materials
You only need three pieces of equipment.

A Swiss Army or Stanley (X-Acto) kmile for parting and paring down wires. I don't recommond a wire stripper as some of the wires we'll be dealing with are quite fine - around about 20-plus gauge, and prone to snappage.

Four alligator clips. Your preterred type of attachment (solder, crimp, or screw) is fine but, from experience, I'd recommend the screw type. More on this later.

One Voice 2000S Mini-Phone. Details of this little gem can be found at www.voice2000s.com/miniphon.htm. Its advantages are outlined in the next section, but you are advised to check this site for its technical specs before proceeding. It'll give you a better idea of why I chose this particular instru-

The Volce2000S Mini-Phone

I chose this phone for two reasons: firstly, it's cheap - US \$20 plus tax at Fry's Electronics, Secondly, it's tiny.

One other thing this phone has is twin RJ-11 jacks. It doesn't support two lines, but it can quite sufficiently bridge two separate lines to create a party line - more on the potential uses of this further on. It's also packaged with fitteen feet of male-to-mate RJ-11 cable in the bubble-wrap.

Again, I'll talk about the packaging advantages of this particular item later on.

Construction

Very simple. Open the packaging and separate it out into its component parts: the phone, the earpiece mic/receiver, and the RJ-11 cabling, Grab the RJ-11 now, and have the alligator clips and blade ready.

Out the RJ-11 cable in half so that you have about 18 inches of free cable attached to each plug. Discard or squirrel away the remaining cabling for future use. You won't need it here.

Look lengthways at the RJ-11 cabling at the non-plug end, and you'll see two wires inside. Carefully dissect both sels of cabling so that the two internal wires are able to be pulled gently out, then crop off the excess external insulation (usually white). You should now have one red and one green wire exposed.

Again, using your blade, carefutly strip about two inches of insulation from the green and red wires. Attach each of them in turn to the four alligator clips you now have laying around.

You're done. You now own the con stituent components of a Coffee Box.

Usage

As you would with a beige box, connect it up to your favorite terminals in

your favorite local telco box, and have

In terms of brown boxing - well, I leave it up to your imagination. Wire up a hold switch on one of the jacks and you can do things like, say, connect the Atlanta loops to the L.A. loops. Not that this has ever been done, of course.

And don't forget - its light weight means that the alligator clips can support its own weight when connected to a pair of terminals, which, combined with the earpiece/mic receiver, leave your hands free to do, erm, whatever they need to do. What experience has taught me, though, is that screw-type alligator clips work best - crimps and solders tend to break at the join, whereas screw-types can be fixed in the field as it were, with nothing more than a Swiss Army Knife.

Limitations

Well, for starters, it has a relatively low. Ringer. Equivalence. Number (REN) of 2.9. What this means is that the total number of phones on any given line should not exceed that number. If you have the Coffee Box at-

tached to two lines (or one line with two other phones), you have an REN of 3 (Coffee + fixx-xxxx), slightly more than it is supposed to be able to handle.

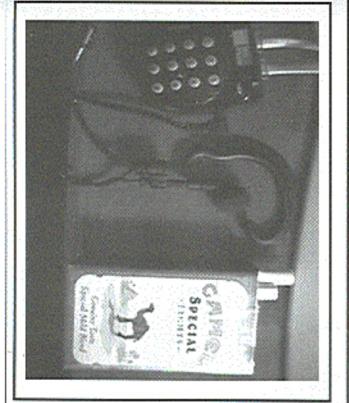
I have guite successfully run it under these conditions for some time.

I have quite successfully run it under these conditions for some time
now without any trouble - its tolerance
limits are pretty good. However, that
doesn't mean that you won? have
problems. Therefore, the disclaimer;
your actions, your ass. I would also
head the manufacturer's disclaimer as
relates to using it in thunder and lightning storms; don't. It really isn't designed to ground out large voltages,
and if you do lose a hand, hip, or head
as a result... well, that's also your problem, not mine. 'Nuff said.

Credits

2600 and the L.A. 2600 Crew most definitely. Shouts to Boogah.

Oh, and as for why it's called a Coffee Box - well, combine beige and brown, and you get something about the sams color as coffee and cream. Hey, it's better than the "baby-couldn'thelp-it" box!



Spring 7D6

THE SPRINT PCS NETWORK

by -soferash

sn0crash@DigitalPhreak.net

this into with the readers of 2000. This into applies Sprint PCS cellabe network, and I would like to share anyone knows about another city I would love to hear more to Columbus. Office then anywhere else, but if I have recently learned a little more about the

If you're reaming, then the cell network that yea're on to a city that you're not in, you'll get free cell calls eally, if you change your ESN, phone number, and SID tion, etc.) to the SID city. Then your home city will When you place a call, the network matches your ESN, the phone number of the cast phone, and a StD This is where you get into cell phone eloning etc. process this information and bill you. Well, theored will forward the call information (number called, durawho's allowed to make what calls. These iD's are an jet ID's to know who's who on their networks and legit user of the network. Then you can make your coll shone number with your ESN to determine if you're a wher. The SID number determines your home city. From my understanding, cell phones use three ma-

be talking about is a Sanyo SCP-3000. I found that if ming of it. This is where I come in chare a phone they program it at the store, but if you active to make calls all over the US. When you put DEC, If you were to go to a Sprint PCS store I'm stre touch on the Sprint PCS phone network. The phone I'll then make calls on them. The phones in their stores are you could "look" at one of their phones and close it, you remove the battery it says the ESN in DICX and are placed, that of which I'm still learning. I'd like to farm and they will walk you through the reprogram move from one home city to another you can just call Aside from the general concept of how cell calls

You will have the following tion" ment. From here all the options can be extend again. Surprise surprise, another area with a passwood 4 you will go to the display menu. From here you list 0 you get to a field service option that is password pro-For Columbus, and maybe even all of Sprint PCS, the rected (sex digas). I haven't been able to get this passthen 7 it will take you to the satup menu. If you peass 0 cade is 661649. This will put you into a "nambiguraword out of them yet. Now, if you press mean and then On this particular phone it you press more and

ESV - Electronic Senal Number

NAW I Photo Number - Your Fhoto Number

MM 1 Same StD - Oilumbus is 4418 (denotes

want, if is displayed on boost NAM I Name - "Sprint PCS" (can be anything you

torral to get here. Service Security Code - This is the code you on

Mild I Lookest System - don't know

NAM 1 CDNA Phote Number - your photo turn

Add I Mobile Coarry Code - 310 (I think this is

the code for the US) NASA I Madrife Station ID # - your phone number Weld J. Mobile Network Code - 00 (don't know)

(same as above) NAM J CDMA Hone SID - Columbus is 4418

1643 I AIAPS Phase Number - your phone turn

ACM I Add S Home SIO - Columbus is 4410

Phase Modri - 7 (doa't know)

RAM the scleptone number and ESN of the phase CDMA - Code Division Multiple Across otherwise NAW - Number Assignment Module - it holds in Star Cycle Index - 2 (dog't know)

used for analog cell transmission know as the Sprint PCS network ANI'S - Advanced Metalle Phone Service which is

to be because my phone is a dual band meaning I can have a few more options then just a digital phone. switch between the analog and digital networks. So I think this is a little more complicated that it has

call. Then they forward that call information to your the city you're in will register this and give you the the city's SID with the phone number. Whether it is a home cityO the SID you typed inO. Starting to see the the number and you've cloned it or it's a total fake ESN and phone number to something else, then match about it you're finished and the SID and ESN are you get the free call and by the time anyons finds out find our nothing because it's a neil number. Either way the person they find out 1) It doesn't exist or 2) They pissure? When the home city looks that info up to hill you can make calls for free. When you place the call New basically what you have to do is change you

is that when your phone is on and you have signal 0 it is then tien the phone off until you get a good distance unceable. When you have signal your phone is on the from where you placed the call. This all might be a bit on, change the into, make your cold, change it look, inc from cell to cell. You would need to turn your phone notwork assumantiating with the switches and jumping much, but I think it's a good precaution. The only thing I think you might want to consider

low to Get Hanned From Y nternet Service Provider

by Mandark

banned from your ISP, then you might have become much like high schools; want to look into the following sugges banned. If you ever feel like getting repeated disregard for them will get you stightly bent without any objection, but they only want you it you can obey the America Online and CompuServe? This who constantly head the rules. ISP's business from people like you and me to choose from. They no longer need means that there are plenty of customers what does this mean to companies like nected to the Internet a few days ago. So grandma, who only has one TV in her ules. These rules can occasionally be basement, got a computer and got con-Everyone is on the Internet, My

people who think I'm actually going to ful" message. These "colorful" mes-Will result in me replying with a "colorcomplaining, and if you send one to me Sending these usually results in people be impressed by a picture of Jesus. loves you" things I keep getting from usements, chain letters, and those "God go with this one. Sending unsolicited you re looking for the easy quick way, will get you banned immediately. If user's password or billing information the advent of fast computers and highusually happen anymore, however, since your ISP and complain. This doesn't banned from their ISP. Discunnecting the most common reason people are SP's, SPAM includes unwanted advernon of the terms of use for almost all speed connections. Asking for another ally aggravate the other user to contact another user offline, also called "nukages are also disrespectful and looked bulk e-mail, also called spam, is a viola Being disrespectful to other users is ""flooding," or "punting" will usu-

> to be reminded how stupid they are. cause many people on the Internet need down upon, which is unfortunate, be-

two megabit per second upstream you will most likely get a call from your you use your cable modern to set up a file server that gets 75 hits per second, major ISP like America Online, but if ISP unbappy. This is not a problem if you are running a 56.6kbps modern on a all with 15 megabyte attached files, will not impress your ISP, and using 14 gigaor 20 megabytes. Having 532 e-mails, get banned from your ISP. When ISP ISP asking why you constantly have a water is another way you can make your them mad. Using bandwidth like it's bytes for your web page really makes they really mean that you get about 10 say that they give you unlimited space, Using up resources is another way to

scene material involving the participa-tion of a minor under the age of 18," or prison somewhere get you a nice cozy cell in a federal you banned from your ISP. It will also into NASA will more than likely get you feel that it is necessary. Hacking You can also break more serious laws if new nifty program called "melissa" if you use your ISP to distribute your use your web page space to hold "obyou reply threatening to kill them, if you sends you an e-mail you don't want and fromed ideas. Examples: If someone sometimes he in with the aforemening major laws through them. This can get you banned from your ISP is break-One thing that will almost definitely

portant thing is to have Jun. ISP is exciting. And remember the im-Be creative. Getting banned from your ISP and see what you can come up with time to read the terms of use for your ticle are only suggestions. Take some er than ever. The ideas stated in this ar-Getting banned from your ISP is eas-

Continued from page 39

blame people like the person above.

use the word "harder" in out their own ends totally unoug and fast the community. They also only without doing any research whatnever. They both get it ere in a certain poor tight without doing any research markable similarly between the media who poter hack established and people who call pleasables hactors computer at all, let alone one attrakere. He find a re-Activately the death that person trouble back and only Quantum Knight

Positive Developments

minutes fater I had him howked. if shocked I would even ask that question, "Not' Ten in your 160 issue about people not getting jabs or losing asked me if I read it often and I told him, "Every quarter work for so ISP) reading 2669 and my base saw it. He what the mag is about I on the other hand was at work () have you ever had the chance to read it?" He explied as ohs because of your magazine or just the thought of I read through the section "Gully By Association"

thing to that effect. and make the world a better place all around ... or someyou could say reading 2500 can bring people together job because of what they read or who they are. In fact this just goes to show you, not everyone loses their

XOUG

lawcy

Dear 2600;

million dellars of durages. Sounds a little familiar, said that the maker of the Melissa virus caused over 80 I was reading this news article the other day and it

by mailing it himself. Apparently these shiple actions, in group. Mowhere is it alleged that he started the process thing but write the nine and post if on a Grener news the eyes of these people, one enough to make one be have yet to wer a single report that this present and any-What's particularly available in this over it that we wNdozCRASH

growing of on a countries.

only base section of their web site, they describe "the more about my companer etc. However, in the knowltacks" cotail. This system is very bondy for beaming company's web site that explains what different "acmost common reasons that hackens alback systems" as understand the terminology, I can open a window to the toolbar that blinks red. The program will then like the tacks", to my system are reported viscos small from on my but I have no start somewhere! Using BlackICE, the "atcomputer. Till admit I'm a computer d'assasse at beat, "attacker" and what they did to my computer. If I don't Treency installed a finewall called BlackICE on my

your cable-maken or DSL connected computer because "Name Hopping: The backer hopes to compremse

> chines together like this. See SOCKS for more info. higher true IP address. Hockers often chain multiple etchis/her attacks farough your machine in order to hick the same IP address. The low-ker bepos to then frame! all it is often on 24-hours a day, and became it always has

netarious deals. For example, they can dial in from a they can did-up as you and use your secount for their system for passwords. If they find your ISP information. "KSP Paurwords: The backet wants to seen your

pay phone and use your seasons to attack the Pentagon. steal those passwords so they can bug in for free have a paid account with porn sites, and they want to "lifeb-site Fastwords: They are hyping maybe you

that they can use to hyposy corporate firewalls. some procureds on your machine (for relecommuting) "Corporate Plasseconts: They are hoping you have

MINOSON BURG this information, they can offee steal money from your and so on in order to commit "Signify then". If they get ensiden manus, utilithan names, social security numbers, "Personal Information: They are hoping to find

skeks in your name, others want a clock out to their Table for the result. name. If a backer buy-shells stocks in your name, you are "Obline Stock Info: Some word simply to buyinell

OUS TRAINED. money from your account. You are liable for losses in "Online Sone fifth: The hacker words to sked

duringes you are liable for are \$50.7 credit card. They will often over it for pure accounts. You your bill regularly. For most credit cards, the maximum are generally not liable for credit and loss if you check "Oracle Cond Jufe: The backer wares to steel your

Support KB/Q000795k-facilities You can see it as advice networkies constativies?

the Perragon, names to ports sites, brying/selling exodus? I just thought you'd be aimsed (if not disgusted) by the I couldn't believe it the feat time I most it., booking

to compliant formulations purels of Apollers are used at them, they if jumit and men (650) 532-4190. Maybe when they makes that their ligerally, please) why this is a bad thing. Dash number in has. We hope our made a rule the time to explain (that poticists their mysis and make manay spreading fear and must cover, these people have something to will to prothat people affair in gather images to hockers, But, as to seen. It's link wonder with skeppings like these around This is about as affirming an anything we've over

Humos

Dear 2600:

website is www.sevinspencer.com. tood so I don't know if you'd be able to see it but the old Motorola cellphone to scan calls, his a Canadian curciopath) attends a 2660 meeting and learns how to rig an men changest floured as unsin-smoking alcoholic sowithout a certoon called Kevin Sporcey in which the Didn't know if you'd he interested but I just

Spring 11111010000

right to the state of those this continue it is 151%. Granted, it took a lot of inferenceptions and idea then gays and of proportion but that y the nature of pastway. He He got abold of a copy and we shought it was great Big fan of Kertin Spencer and 2600

Forbidden Exchanges

Dear 2600:

mea code have? **O. How many relightance exchanges does the 212 As stated at www.bell-afl.com/areacods/popis/8/6.htm

267/1008 (97/6) assistance (411) and mass acommencement information other perposes such as emergency calls (911), dinackery signment to conference because they are reserved for the 800 telephone exchanges, 44 are unavailable for asfrom two to nize; X is a number from zero to rine, Of its of your telephone number) or NXXs. N is a number binations called telephone exchanges (the first time dig-Each area code contains 800 possible number com-

specific purpose do they have? exchanges that we unavailable for assignment. And what Now, my question is what are the other 41 telephone

you guys should know Seeing as done you guy appear to be based in NYC.

from our newboy what they are. Changes that we left out and we look forward to hearing corrier. We know there are some ununignable ex-Special explorage for identifying your regional phone in New York City, is used by the fire department. 705 is a enchange weed by make stomens and finded agreeins then toy assistancy - right now identical to 411, 999, or lease aps and year phone will rings \$55 to the prefix for allowringbacks (600 plus bor/sur or seven digin, fisial, hang 959 in a telephone company earliange, 660 to used for brode back your planse number (9580 in most areas). office to get through 958 to the ANAC matther which and permits a low sandow of people from each control and 911 are all either assol for some purpose or are m-"skoks" a a 858 societae and flor secreta vilabres liite green munitions degrin with 976, 979, 540, and 550, 950 fr Seried for some thing in the falser. The mass apposites Pigned to customers.) 231, 331, 431, 531, 531, 731, 831. exchanges between 200 and 950, (DXX-159 are never aswere sittle to (sterell) unround half of the 44 annountlable tence of elichanges we know title or making about. He This is prefer transming times it points to the exis-

The MPAA Lawsuit

Applied your stand. I feel so energly about this that best possible service, not by shooting the compection. I power such as that which the DVD industry is prumulmust tell you that I have soldom each a case of abuse of hating the property of large businesses. With that said, I forman for 10 years, I currently make my living by proous. I make money by providing my clients with the goting against you. This eitherion is absolutely ridicufram in the law enforcement business. I was a po-

water women of me want the so stelly disease. tactive. Exercisally they will see the error of their ways as Arron from the MBIA as they continue their internatation with so many others, have also consisted some sort of a We shook you for your support. No doubt you, alway Michael F. Nodell

mirrored the file on one of my web sites

not get herrassed like you? Does not make much sease in thing that less to do with the creating of the DVD key, me. Is there something that I are missing but download own can post software to the DVD's and flow some you get in trouble when you link to any-

Restandage. course the delly their mandate to control the server to giveling: it is not about copying DVD's. They fear no be-It only proves what we've been study from the be-

that the subscriber reconds of 2500 could be called into evidence in an attempt to scenary the "500 John Does to With regards to the MPAA howers, is there a risk

public key for correspondence, sion of the magazine. Neither do you publish a PGP souther data no longer seems to appear in the paper verof the use of strong cryptography to protest such subthe www.2600 over web site and the farmer assurances There does not seem to be a privacy statement on

tiffs in the DVD court uses against 2660 et al, including hyperfents to their corporate with sites, a wise move? Secondly, is the publication of the list of the plain

facility stems to us to be valuable to script fidely at-We only say this because the MPAA only site in par-

postery products? sion of privacy of your subscriber records and a-mail get his for sample kiddles, could this also lead to the invayou had published this list of web sites, even though x hadly on your court case? If the court took the view that would be trivial to obtain it from other sources, as a tar-If the MPAA with vite is attacked, would this reflect

Anony mous

prist it because our new day has grown in size to the will also find our PGP key on our site. We no longer years are very all applicable because it is someway. who would use it would also have access to our wife point where it would take up half a page and anyone strong prinsely statement on the journif our site where inmake any sense that this would change? We have a very subscriber info remains as it athiops has been - dices it ties eating at would be pointless. Our protection of our to fight back. To and o'll people how so contact the engli that we do nothing. This is a major health and we intend elaterates we make decrease to do so would only excure He are and going to environable every more and

we have to intention of ever giving those up and t) the жил по гиробот по блу хирти то ја Димбои рам. Our indeember records are not as fisse because a)

to obtain those recents. Mopethilly you can return now. stands payway oo ii waald be outber pointless is esen is).

every web site out there. DeCSS will be free to anybody. with sites free for download. They cannot take down the case is attach the DASS software to a few hundred I support 2000 in any way as well as Kevin and any other hackers out there. What I can do if they don't drop Kenth to the I see you need help or comments on this DVD case.

Apocalyse

Dear 260%

COCK IDOOR for DVDs are much lower than type or viryl, but they and/or price fixing? As we leads know, that is what they are trying to do. As with andle CDs, the production costs is then any way to show the CSS as mempely

There is no near been a better time to form the town. Water.

it was secured with a secure lock until you carrie about fact that the container bearing my lock is open at the you're guilty if anyone else steals anything too. After all, book, and of inject to social what was behind it. Oh, and leg." If you do that, you're guilty of breaking my secure and to anyone else evil concepts like "that" or "meltbely me pretend. My look is still source, unless you retack is immunical and diversionary. You're supposed to the key I sell you separately. If I have one in stock. The buy samahing that comes with my lock, you use only beat the war, my lock will molt. I now insid. When you above that of warm water and if occurs to you that if you I invest a look. It's made of wax. You have an IQ

Pay No Attention To That Man Behind The Curtain!

YZK Issues

Dear 2000;

afters in the Spring 1900 issue of 2000? crank telephones and social engineering telephone open such a mistake could have made it past the editing dated Winter 1999-1900. I'm surprised that a hacker process. Should I expect to see unlacks on phreaking respective wouldn't have fixed its Y2X glitches and that just noticed that the latest issue of 2000 (16c4) as

Desaparecido

front cover. The error is in the Date Section. The date 1000 - 1000 reads as follows: Volume Sixteen, Number Four Winter this letter to ask you about an error I have found on your cand me more than I expected. At any rate I was writing of the staff at 2600 that you do a great job and have edu-2000, I was referred by a friend of mine. I most say to dif That of all I would like to say I am a new reader of

still would not let something like this slip past, but then again no one is perfact. I just thought I would point this Now I was struck by this, A magnetine of such edite

out to you. Keep up the good educational work in the

Supragen

AssMonkey

to Y2K or what? it said Winter 1999-1900 not only on the cover but on every single page borrom. Was this done on accident due 16, number 4 and came across secondicing. I noticed that of America, it is all great. I was looking through volume The way you helped out Kevin and help teach the youth First let me say that I absolutely lave your work

sae it printed. Agont, our spologies. when you mind shoy wond. We in attempting to inva out this may have caused dissertiones, especially when deal all the kinds and high to fit the tags by the time this is ing with companers, unexpected things can happen jour subject. He be savey for any incommunious or confusion We exist have gotten over 100 letters on this one

Dear 2600.

gays got hocked or were you playing strained? and there was a server error saying U1/1900. Did you I tried to kee into your site last night for the first time.

CubanPete

peixed to displaying. More let's new talk object which assumes a our site on New Year's Day. We figured inversions would be out thing other things, as we were. Fromit have hap-We don't know with so many people district to his

Facts on NT

Desir 2600;

and various other OS's. I just received the Winter 1999 poration that has a server farm of over 300 NT lower. the more obvious errors that the author has made Listely." [would like to take this time to entreet many of ross in the article entitled "Security through NIP Not 2000 is see in the med, and was shocked at the gening of-Tam at a network administrator at a rather large con-

port. Please ofcook the permut list of sites for details on and eve with system privileges) to spawn on a specified ploits have been released in the past six months that cannot have a "root shell" spawned on an NI box refocusion, www.been.ging. sparened remotely (www.nibuglisap.com, www.securityvarious, remove MF exploits that can cause shells to be when executed netroidly can bessel a stell (in this case, motely. This is not true. Numerous buffer evention ex-Di the infractication, the stather mentions that you

to sexoss a share. You can give the group "Everyone" an group level permissions that determine how much aspermissions that are used it combination with user and he states, "states can either use share level security or view the contents based on the permissions assigned tess to a particular storn, which will couse seyone to not. With Wij, there is no way to satisful single provisional gos a perfecular user or group has to the state in ques security is defined. In NT, bowever, you have shore-level Win 9a the author is correct when describing how share ment level security." This again is not true for NT. Yes, in In the pathor's "Microsoft Nationking" section,

> is Win 9x. For a detailed explanation, please see above. this is not the case on NT. What the outhor is referring to permissions.(_.) or "read/write" permissions(_.)." Again, with this statement, "torce in, you will have other 'need' eural network. The author makes another assumption wall. All of this information is useless for a decently sothat NatBNOS is not blocked by the Norder couter or tirehis local college compus. Again, all of his information blacking all NetBIOS traffic at the border regter or fireabout using the "Net View" command rests on the fact Maybe the author was scanning workstations located on wall. This is common practice at any corporation. and Win 9x. Show one one decent admin who is not most always operad." This is the NaBROS port for MT author also suggests in this section that "yest 139 is al-Does the author have any experience with NT at all! The

positing to hide your IP address or trick on IDS. Use of Bowever, the methods that these tools use are easily noleave a clear sude trial on any server. These tools do ognizable by any discert IDS product on the market, plus

author on correctly explaining techniques to crack NT flowed, and I can not going to do all of the work for the exploit, etc.). The whole section on posswerd cracking is morely (sample the explicits, Compaq Insight Manager for pulys to get files through a web server on NI re-\$5 get it using known exploits that only be available on "Rwindir@repairsum..." This file is created every time MI fides this file from users and essentially disables in target machine. Again, check the sites listed above editinistrators have masses to this file, but there are ways in ERD is created using the "N" option. Of course, only this is not true. A copy of the SAM file is located in from being accessed while NT is renning." Own more, this option in NT that I am eware of, so this factor is also fints of the registry removely. There is no way to change SAM hive exposed into LOphs (sig)." In NT, only selmakes this statement. "If the machine you are targeting spelers. The nutbor gives on to state: "The problem is that ministrators of the machine are allowed to view the conallows for registry starteg, you will have the encire 4. The "Password Cracking" section of the article

know and I will be happy to write one upadvanced warkings of NT sacrety is needed, let our 2000 and research feel an article devoted to the beside or and pick out all of the errors that I see, if you (meaning hard not going to go through the not of this article

Carl When main untrashed. We look forward to more in diget-Our policy is that we operating system should be RickDogg

Trony

Exchart New I've seen everything the of reproduced on the inside back cover? I moon, this is a phase company exploiting the support slogar for a something interesting. Does anywar else see the irony of Desig 2600; 4 was reading your latest issue (16:4) and noticed

www.mipwiresecurity.com/products/poster.efml. software checks. Incidentally, it is available for the gr available containing the most common holes that their thing for the hacking community. They've coals a poster Free Stuff that they have any grand ones. Dear 2699; since I discovered it three years ago! photo company obgas to sell something of ours? Not Tripwing Security Systems has done a rather nice What do you suppose would happen if we soled a Keep up the good work! I beven't missed at issue

Knightsabre

these "books" as for script kidding only 5. The tuther goes on to list "share backing" tools.

sion is available at www.tripwiresecutiry.com/prod-

Care to try out the new version? An x86 Linux ver-

dissyllapatre_exploit_posterpdf,

five within about three weeks. If you can't wait that long, it is also in FDF farms(at www.trip@iresecurity.com/

Once the form has been filled one, the power will as-

codege, just thought fid see if it was cool with you pays Desir 2600; who you are, but you can fill them up with bogus info Question and it all will works. ucteTripwire_ASR20.cbnl. I was thinking of searing a 600 meeting group at my It's Tripwise (2.2.1). You need to fill out forms on

prie car 000 stoogen. After with an War might want to check with the peo-Second hones.

2/6/00

spelling I am Ruiseien). Well anyway I stanted deing my wab site for some reason today on 2%00 title it was inwood I wast't the only spooled one chebe site to write to you to fell you about noticy but then I reand messaged everyone on log their I went to your web got bottle of bear and drack it (exps. I am only 15 helse) found out that the date was 2600 man I was so happy, I stines and I was posting new on the main page and I just Hey 2000 I am your quartedy reader (sorry for

(David or The "RUSSIAN" as MesserSchMill

I get called in USA school)

get a chance to celebrate 2/560 on Jane 2nd Fortunately people in other parts of the world will

Dear 2000:

тем интерецион в 26003 bought the hat on the sixth of February. How's that for a around and got a few smiles. Then one girl asked one if I I got a 2666 hat. It fits my head sicely. I worn it

Maymenor

DoS Chebags

by the press. You said: these denial of service attacks being blamed on lookers. Today you had as article on your web site about

of the motives and people involved. hackers are behind it incleates some wor of knowledge is) does not require any backing skills, claiming that "Since the ability to can a program (which is all this

that should concern hackers everywhere." less or knows exactly what they're doing. It's the latter "...Whoever is responsible is either completely clue-

I've year my time looking at. suppid on charless, but because it's not a subject area than idea how to launch a detrial, and that's me because I'm duing I mean, I work with systems a lot, and I have no know how to run a syn floyd or whatever these guys are But "completely clueless" people probably don't

tying to make with that has sentence. Assuming that the think they already know what is up. why should that canacto burkers everywhere? I would people who did it do know exactly what they're along I guess I basically don't understand the point you're

Keith Gardner

net. For semester to intentionally do such a thing know write such a program, that knowledge is translated thro ing where it would load it soons as well as supicione. lead to resessed eries for sympellater and control of the ran pits program, they must have also known that it as through If somethouth with trees which they were alwing But since hackers are capable of figurity and have to one could have done it as the metha stated repentedly would be blumed on the hacker constantly and would The artacl is as simple as muning a program. Any

vice attacks is very mixe. Sementically, the word hacker of interacting or social multidjustment. or just the thrill of it. It also earlies with it compositions systems, creates varues, exc. either for criminal reasons blamed by the public for the recent spate of detail of sermeans to most people someoute who attacks computer Sirely your assertion that hackers are not to be

five - and I don't buy the argument that by attacking systhe common good. These are much better ways to do tems you want to force suppliers to improve security for and make it clear that your goals are not largely destroy-Maybe you should call yourselves something else

Here's hoping...

actly how it works. Ask yourself also one striple quocriminals, randals, experienters, whetever This kind of call those who do things like this by their rightful numer. condens it. But we also believe people should beow on hacking a web ate. This is purely destructive and we thing is nowhere mean the same as exploration or even haven. The think we'll keep the word "hacker" and stripts dealing with an attention spon long enough to course map, we're not particularly concerned there we're not Since "most people" casel even find Florida as a

> scenarios for bacer megray. aflegys known flow to do it, doed you divided it's odd that the took this long for it to be done on this scale? That says tion; if hacters are to blane for thir and headern have

to Mitrick. I guess the media in every form is agnorant was recently released from prison and woodered it it was treit. There is an early morning show called Kim Koname web sites. She also mentioned that Kevin Mitnick the reasest denial of service "cyber-attacks" on those big mando's Computer Show and on it she was discussing people are already contributing computer related crime "coincidence" that this happened. I can't believe that Recently I was listening to 101.1 WRIP out of Do-

weak security put of by some high companies. folks at school that backing in its trues! from is not male ing skills. The more I thought about it. I realized that pay times. They interviewed some speculied expert taying course they jumped to the the wood "backet" several the sites that were taken down - Flag, ZDNet, etc. Of thing like that Well, on February 16 they did a skey on tions. It is the hunger for information and exposure the cute a simple program! I have been trying to explain to was terribly wrong. How much skill does it take to exethat whoever brought down the sites had advanced back Cheesed One. Its supposed to make news cool or some-At school we get this teen news program called

hacker ever who east companies millions of dollars and Kevin Mitnick. They made him sound like the most borable man alive. They called him "the most notorious The Channel One broadcast also did a small elip on

cause they think Minick is a creep or something. school. Kids usually skeep, ett, of do homework dirting this time. But I feel sorry for the few people who do be-No one ever watches this Cheened One thing at

ogist detail every day and start your own newsletter. Of bound at our earliest little in eachange for corporate an early of this, at might be first to countries their crap in col erens to have gained a Joothold. For those who are faisdhig. People protested à when à debatrd bar à really when you know you're not alone. line. But phat's not a bad shome to live bis especially course you'll get be neable for not speaking the purity Changed One is little more than a propagation and

OUR NEXT COMPUTER

BUILD, DON'T BUY,

by bober

architecture, the PC stores constandard for the future with CISC crappy operating system and they wish you could build computers? senal number and setting a bad Intel. Even though Intel's chips are just helping Big Brother watch you support the monopolistic dreams of ↑#\$%3 ing Microsoft for use of its of the establishment. They pay by transmitting your own personal Tired of buying PC's? Don't you hundreds of thousands to The big computer stores are a too

continue without mending their evil make it unprofitable for them to instead of sending ping-o-deaths tinue to support them. to their websites, you can actually you have the tools to stop them. This is a travesty of capitalism. But

are long gone. Now instead of plug and play BIOS and the stan-dardized ISA, PCI, MCA, EISA exthat, but with the introduction of costs to buy it in a store. Not only proximately two thirds of what it set and about half a brain that, but all it takes is a \$10 tool For the first time in the history of take a pot shot at the establishleaving the building of PC's to chips that can't detect hard drives terrupt request lines and BIOS You can build your own PC for ap to build your own PC's. Not only the industry it is now cost effective trained technicians in labs, you can pansion slots, it's really easy too. the days of cursing the idea of in-

and 32 bits, but I am a musician. If would buy one capable of 96KHz boards." As far as a sound card, dem connections as are found on and a parallel port. You do not nector, an RS232 serial interface, only thing there is a keyboard conon your motherboard. Ideally, the cards. First, see what's included ing software or your own server.) are running digital signal processas speed, I don't care, it's your PC AMD is usually a better bet. As far K63. Also you can get a chip from not buy Intel. They are a tool of the make sure it supports AGP video.) PCI slots at the minimum. (Also ity you want. A good recommendaso that you can add all the capabilboard with enough expansion slots chip set. Also make sure you get a "ZIF" processor socket and a good last. Just be sure to get one with a the big money items in the PC. system you can imagine. Then buy to fit the needs of just about any you can buy a case/power supply First, buy your case. For about \$75 most "bargain basement motherwant built-in sound, video, and mo-Now it's time to talk expansion Cyrix for slightly less money, but establishment. Other choices are Next you have to buy your chip. Do tion is one with three ISA and three ord to go the cheap route safely Here though, you can probably afyour motherboard. This is one of ment by doing it yourself. 500 MHz will do fine, unless you American Micro Devices' K62 and because most motherboards will

comes the video card. Buy a video some good cards for sale. Next sound.com for documentation and compression go to www.maz-32 Mb of ram. You can get away you need an explanation of sound with less but it will, in technical card with at least 16 and hopefully

change for something you are only A CD ROM drive is a big chunk of start (this is bad). Get at least 128 times make your computer fail to crappy ram. Other kinds will somethe expensive kind. Don't buy times where it really pays to buy puter, the ram. This is one of the often overlooked part of your comthese two devices. Next, the most 56k flex or a cable modern. This is Now get your modern. Either a v.90 terms, suck. at this point. Finally, the hard drive. going to use a handful of times. 2600, so I don't have to explain won't even be noticed in a SCSI error that would kill an IDE PC, and has error checking, so a drive expensive, but it runs a little faster is bad. SCSI is marginally more est, but it also is the slowest, and it SCSI, and RAID. IDE is the cheapthen, not now. They aren't worth it not for hackers. If later you find out teenagers to use to watch porn, Don't buy a DVD drive; they are for computer, filled with lots of drives. cally another box, outside of your mon, option is RAID. This is basiworth it. The third, and least comcosts money. But trust me, it's you need another card, and that system. The one downside of you want a CD writer, then buy one Get a used one at a flea market disadvantages. First of all, RAID is has little or no error checking. This There are three main options. IDE. 512 or 768 would be best. has a number of advantages and You get to choose the sizes. This suczy as we builders call it is that

> something, the box can keep work-ing without a hitch. The downside some kind of failure, like it melts or about the same price, or maybe only that but you can upgrade it for faster than the other two types. Not other box taking up space on your is you need a \$250 card and anif one of the drives goes through redundant? That means that even Disks: Did you see that first word, dundant Array of Inexpensive tages of RAID is in its name: Reeven less! One of the main advan-

First and most important is Linux. If it's time for an operating system. Now that you have built your PC, good). Finally, you could use some off the wall UN*X flavor, but they really smart and want to learn a while working like Linux. If you are run the Xwindows system so it not work on PnP BIOS. This can later. Do not use RedHat 5. It does you use Linux, use RedHat 6 or are planning to write your own are complicated and don't really pretty good and it's not Winblows a free version of Berkeley Systems difficult OS, use FreeBSD. This is either touch something grounded stuff, stick with the three chaices I have a lot of software. Unless you Also, there is a pretty good selecnewest version (OS/2 4 warp) is just UN"X. Also, there is the little Development, which is basically looks and feels like Winblows, tic wrist guards (\$15) just to be while you work or buy a pair of stainside a PC is static sensitive, so My one caution is that all circuitry outlined above. tion of software (not great, but BM's response to Windows. The known OS/2. This is basically There are a number of options.

Have fun!

HOW DOES THAT DSS CARD REALLY WORK?

by Phredog

plete, however it should provide a start for edge. This information is far from comand is accurate to the best of my knowlbeen obtained from public domain sources All of the information in this article has

eight pads on the card. The pasts are numceiver communicates with the card via bered counterclockwise, starting in the uptime or changed by a skilled hacker. The re-ROM may be updated by DuccTV at any sor, ROM, EEPROM, and RAM. The EEPthe curious hackers out there! Your DSS card contains a nucroproces-

per left corner. V6

3. CLOCK 2. R/W

4. RESET

5 GND

6. NOT USED

8. NOT USED 7. DATA DO

it to your card. There are dozens of types, peckets at 9600 bps. Some packets are filarticle however most are beyond the scope of this data packs are global in nature and do make as individual unit authorizations. Many tered out before they reach your card, such Your card receives and transmits data

authorized to view the channel. The most 4840 packet. This packet is used to give packet are the 09 command and the 0C nel you are tuned to and to test if you are command. your receiver information about the charimportant commands contained in this The most important data packet is the

one of its factory leaded encryption keys to The 09 command tells the card to select

sted with each byte. If any byte in the data Once the 09 command is issued every byte checksum will be generated. packet is changed, the wrong key and rithm. A new key and checksum are generthat the card receives is passed to the algobe used to seed the hashing algorithm

saved as a flag on the card. 03 is used for most channels. 06 is used for pay per view If the channel is authorized, the status is to see of the current channel is authorized The 03 or 06 commands are used to its

everything that the card received after the tegrity of all the received data against a ral will be incorrect. changed, the current key and the checksum new key and checksum. If one byte was initial 09 command was used to generate a culated checksum. Remember The OC command is used to test the in-

and the crunched key will be applied to the will turn on the sound and video decoder puted key to the receiver. The status flag structs the card to return the status flag cornect, video will appear. MPEG decoder Assuming that the key is ASIC encryption chip, and return the comcrunch the most recent key through the A short time later the 4854 packet in

ated. The video will go black, or freeze. EEPROM, the wrong key will be gener rithm. DirecTV knows what the code at tha backer has applied a change to the eard? location should read. However, if a skilled the card's EEPROM to the hashing algo-DSS card to apply eight bytes of code from Sometimes DirecTV will instruct the

DSS system works. That is, in its most basic form, bow the

MARKETPLACE

Happenings

double the speed This means more speeded, more demonstrations, and more things to do. These will be the demonstrations, and more things to do. These will be the factory net connection. Capture the Flag national contest with means. Lieu and good to Flag Spot the Red Contest, and the social engineering portion to name a few. There will be throughout the three days. You can send your registration in HZK, PO Sax 849, Mode stand, NY 11823. Nave effects of money orders payable to 2600 tile acres to include your name, witheast end, if possible, an arrish address. You can also register or fine at wew 2500, com. If those people looking to refine their ability or get the latter; beth into day of this staff yet your arount of Elech Hit, doesn't you can still hang out by the pools and worsh the conference through the hoter TV expellent Chesk and. iss. The year the apendous will be supercool into different tracks, from "nowbie" talks designed to introduce new hadders into different areas of interest to "Liber Heate" for hapters despend in Les Vogas for the eighth annual com-pute underground convention. Lest year over 3,000 peo-ple showed up o party, euthenge information and stews, and hapte on the facel network. This year we have the enyou'd file to volunteer to help at the conference, entail vol-unbests@124.net if you're interested in grang a presenta-tion, entail speckets@100 net. We also have a making fail conferences, we will be running this one around the clock beganning on Friday morning and ending on Sunday right We expect at loast two tracks of speakers as well as muhave two faces and enough room to do whatever we want. Shart planning road Receive your point of the hotel by painting (212) 756 5000 (word print) bytes can del Pinn-sylvania 6 6000). Mention that you've with the MIX confer-Halk -HOPE 2000 will be taking place on July 14, 15, and 16, 2000 in New York City at the HOtel PEnnsylvania (the site of the first HOPE Conference in 1984). This time was Evel bands and an even larger 24 hour rave week, wowater gross where people can wall starts, tooks, and other goodof the mail. Continue to check www.h2k mailton updates.

DEF CON 8 is July 20th to the 30th in Les Nages. Weekly for engaing decreasion about the conference. Email major demographs can and put "subsorbo NEX" on the first line ence to get the decounted rate. United previous HOPE speakers, or for previous year's speeches. End I The Dark Rangert (diangert)@defcor.org) for more information. www.detron.org for the bleed pleaning information and the Albaia Park report to ourselves, which means almost for HZK to \$40 and includes submission to all events. sic, firms, and alv presentations of all sorts. Regions for

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